CPC COOPERATIVE PATENT CLASSIFICATION

Y

GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS (NOTES omitted)

Y10 TECHNICAL SUBJECTS COVERED BY FORMER USPC

Y10S TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS

<u>NOTE</u>

This subclass has been introduced in July 2012 in view of the CPC to accommodate for technical subjects formerly covered by USPC cross-reference art collections [XRACs] and digests

4/03

. Electric flushing

Apparel

2/00	Apparel	4/04	Garbage grinder
2/01	• Ventilated garment	4/05	• Urine guards
2/02	. Reversible garment	4/06	• Heated seats
2/03	. Inflatable garment	4/07	• House plumbing fittings
2/04	• Free swing garment	4/08	• Rubber seats
2/05	• Waterproof garment with gutters	4/09	• Methods
2/08	• Rear-view mirror	4/10	• Water additive or substitute
2/09	• Stocking-girdle relationship	4/11	• Oil toilet
2/10	 Inflatable hat 	4/12	Aerobic decomposing toilet
2/10	. Headband	4/13	• Toilet having deformable trap
2/90	Camouflaged	4/14	• Pipe strainers
2/901	 Antibacterial, antitoxin, or clean room 	4/15	Prison bathrooms
2/901	Antibacteriai, antioxin, or clean room Antistatic	4/16	• Deformable toilet traps
2/902		4/17	Electrolytic toilets
2/903 2/904	FiberglassPolytetrafluoroethylene	4/18	Bathroom fixture liners
		4/19	Liquid-solid separators
2/905	• Electric	4/90	Decontamination shower
2/906	• Head covering or protector	4/901	. Bowl skirt or tank cover
2/907	• Glove having three, four, or six finger pockets	4/902	• Toilet training
2/908	• Guard or protector having a hook-loop type fastener	4/903	. Shower head with material dispensing
2/909	. Head protector, e.g. helmet, goggles	4/904	• Swim-in-place pool
2/91	• Hand or wrist protector	4/905	• Squat bowl
2/911	Leg protector		
2/912	. Garment having a hook-loop type fastener	Beds	
2/913	• Chest encircling, e.g. shirt, vest	5/00	Beds
2/914	Combined nether, e.g. union suit, bag type,		
	overalls	5/01	 with means to attach canopy or netting to unmodified bed or bedstead
2/915	• • • having plural body encircling layers, e.g. coat	5/90	
2/916	• • Neck covering, e.g. necktie		• Bathtub or bed
2/917	Hand or wrist covering	5/901	• Mattress or pad with a convoluted, e.g. egg crate surface
2/918	Head covering	5/002	
2/919	. Lower torso and leg encircling, e.g. skirts,	5/902 5/904	• Mattress with nonrectangular supporting surface
	trousers		• with sound emitting means
2/92	. Garment supporter or retainer having a hook-loop	5/905	• with light emitting means
	type fastener	5/906	• with magnetic means
		5/907	• with decorative structure
Baths, closed	ts, sinks, and spittoons	5/908	• Mirror
4/00	Baths, closets, sinks, and spittoons	5/909	• Flowable viscous, e.g. gel material containing
4/01	• Plural connected floats	5/91	• with suction means
4/02	• Disappearing bowl	5/911	Bead containing
		5/913	• • with suction means

Beds

301 • with book and loop type fastemer 3021 • with book and loop type fastemer 3023 • Reduction of excise 3024 • Cardhoad comming 3025 • Reduction of excise 3027 • Scale and scaling methods, for pregnant was an elations 3028 • with synchiang methods, for pregnant was an elations 3029 • Facilitating sexual relations 3020 • Facilitating sexual relations 3021 • With synchiang methods, for pregnant was an elations 3023 • With synchiang methods, for pregnant was an elations 3023 • With adjustable frameses comprising springs 3033 • Massaging bed 3043 • With adjustable frameses comprising springs 3043 • With adjustable frameses comprising springs 3044 • With adjustable frameses comprising springs 3045 • With adjustable frameses comprising springs 3046 • Nated anionic and contionic multifiers for dysing gravida acces to a portical caces to a portical caces to a portical caces to a portical cace to portical cace to portical cace to a portical cace to a	5/015	with wibrating magne	9/15	Drassurized ass treatment of taxtiles
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5924 Cardbard containing 8/17 Cipual and polyaldebyde treatment of textiles 5925 Low friction, e.g. slippery material 8/19 Cirating textile fibers 5927 So ale adow with most means 8/20 - N-CI compound 5928 with spinkling or washing means 8/21 - N-CI compound 5929 Fisciliating secure leadings 8/20 - N-CI compound 5929 Fisciliating secure leadings 8/20 - Outerrang antmonium sits 5931 with after of hiding place 8/904 - Outerrang antmonium sits 5933 Seals and seding methods, for plastics 8/904 - Mixed anionic and noninic endisfiers for dyeing 5933 with after of the spinoret body 8/904 - Mixed anionic and noninic endisfiers for dyeing 5933 with afterstoff firmases comprising springs 8/907 - Nonionic and noninic endisfiers for dyeing 5934 with incorports material 8/901 - Sola 5935 with incorports material 8/901 - Sola 5936 with incorports material 8/901 - Sufformate or sufface of dyeing 5937 with incorports material 8/901 - Sola 5938 with incorports material 8/901 - Sola 5939 with incorports material </th <td></td> <td></td> <td>8/10</td> <td></td>			8/10	
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15/02	Car cleaning plants
15/03	• Matrix
15/04	• Ferrules
15/05	• Varied length bristle
15/06	• Varied composition bristle
15/07	• Driers
15/08	• Dust bags and separators
15/09	• Dust mop cleaners
15/10	. Handles, reels and switches
15/11	Indicators
15/12	• Tape head cleaner
15/13	• Magnetic tape cleaner
15/14	Phonograph record cleaner
15/15	. Moisture responsive

<u>Miscellaneous hardware, e.g. bushing, carpet fastener, caster,</u> <u>door closer, panel hanger, attachable or adjunct handle, hinge,</u> <u>window sash balance</u>

16/00	Miscellaneous hardware, e.g. bushing, carpet	24/08
	fastener, caster, door closer, panel hanger,	24/09
	attachable or adjunct handle, hinge, window sash	24/10
	balance	24/11
16/01	Overhead door	24/13
16/02	. Paint guard, kick guard	24/16
16/03	• Holddown	24/17
16/04	. Mirror mount	24/22
16/05	• Push and pull bar	24/26
16/06	• Anti-rattle	24/28
16/07	• Door opening apparatus	24/29
16/08	• Weights	24/30
16/09	Hydraulic actuated checks, closers	24/31
16/10	Spring actuated checks and closers	24/32
16/11	• Fireplace screen	24/33
16/12	. Hand grips, preformed and semi-permanent	
16/13	Plastic hinge	24/34
16/14	• Magnetic hinge	
16/15	Battery handles	24/35
16/16	• Window brakes, counterbalances	
16/17	Checks and closers, holding means	24/36
16/18	Composition handles	24/37
16/19	Cast or molded handles	
16/20	• Door brakes, e.g. track or guideway	24/38
16/21	. Checks, closers, check valve construction	
16/22	Expansion bolt	24/39
16/23	. Reversible	24/40
16/24	• Handle fastening means	24/40
16/25	• Handle fastening means, clamp band	24/41
16/26	• Headlight hinge	24/41
16/27	. Bearings	24/42
16/28	• Mattress handle	24/42
16/29	. Nesting hinge leaves	24/43
16/30	. Knob, control lever	2-1-1-3
16/31	• Pulley, e.g. door guides and hangers	24/44
16/32	• Door latch	
16/33	Rubber sleeve bearings and hinges	24/45
16/34	Eccentric adjustments	
16/35	• Skidways	24/46
16/36	• Spring	
16/37	• Nut lock	24/47
16/38	. Lawn mower type tongue and cross arm	
16/39	Adjustment means	

16/40	Attaching means
16/41	• Coupling, e.g. handle, rod, shaft
16/42	Miscellaneous methods
16/43	Hinge mounting bracket
16/90	• Handle with angularly adjustable component
16/901	• Handle with manipulation thereof by human body part other than the hand
16/902	• Unitary handle composed of different cooperating materials
16/903	Handle with diverse art enhancement, e.g. illuminator, heater
16/904	 Handle means having sanitary characteristic, e.g. to prevent transmission of germs
16/905	Toilet seat lifter
16/906	Light handle cover
Buckles, butt	
24/00	Buckles, buttons, clasps
24/08	• Paper clips
24/09	• Sheet material
24/10	. Wire
24/11	• Adhesive
24/13	• Weighted clip or clamp
24/16	• Multiflex strap
24/17	• Multiflex axial
24/22	. Jaw structures, teeth
24/26	• Fluid pressure
24/28	Co-planar flat clip
24/29	Laundry device
24/30	. Separable-fastener or required component thereof
24/31	• • with third, detached member completing interlock
24/32	• • • And linking cavities in adjacent parallel panels
24/33	Third member includes independently engaged hooks for linking spaced cavities
24/34	• • • And movably connected, noninserted gate for closing access throat of hook
24/35	• • Third member includes relatively movable, separate components
24/36	for parachute harness
24/37	Third member consists of unitary elongated element
24/38	• Each mating member having similarly shaped, sized, and operated interlocking face
24/39	• • including elongated face having identical, parallel cross sections throughout its length
24/40	• • • including elongated face having varying, parallel cross sections throughout its length
24/41	including complementary shaped and alternately useable interlocking faces
24/42	Single piece hook-shaped member, e.g. mating garment hooks
24/43	 including member having distinct formations and mating member selectively interlocking therewith
24/44	• • Formations positioned along wall forming mating-member-guiding cavity

component

24/48	• • • • And cavity for guiding movement of formations
24/49	• • having mounting means allowing repositioning of member for facilitating interlock
24/50	• including member having elongated, resilient, interlocking face with identical, parallel cross- sections throughout its length
24/51	 including receiving member having cavity and mating member having insertable projection guided to interlock thereby
24/52	• • having divergent interlock means distinct from cavity or projection of its member
24/53	• • Projection or cavity rotates about axis of cavity access opening to interlock
24/54	• • • having projection rotatably connected to its member
24/55	And operator therefor
24/56	And position locking-means therefor
24/57	••••• including notch or hump on projection axially biased by spring
24/58	including radially biased element engaging against relatively rotating surface at connection
24/59	And spring for axially biasing projection
24/60	Receiving member includes either movable connection between cavity components or variable configuration cavity
24/9001	• Shirt collar holders
24/901	Penetrating-type paper fastener
24/902	• Tufting button fastener
24/903	Armpit shield fastener
24/904	• Glove fastener
24/905	• Watch chain fastener, e.g. swivel hook
24/906	• Fastener for attaching band to watch or similar article, e.g. name plate
24/907	Plastic hook
24/908	Fishline supported attachment hook
24/909	• Winders for flexible material
24/91	. One-piece

Textiles: cloth finishing

26/00

26/01

<u>Undertaking</u>	
27/00 27/01	Undertaking . Coffin lid fasteners
Metal workin	g
29/00	Metal working
29/001	• Method or apparatus involving adhesive
29/002	• Method or apparatus using aluminum
29/003	• Method or apparatus with bending
29/004	• Method or apparatus with brazing
29/005	• Method or apparatus with casting
29/006	• Method or apparatus with centrifugal casting
29/007	• Method or apparatus with cleaning
29/008	. Method or apparatus with composite casting
29/009	• Method or apparatus with cup formed and bottom removed
29/01	• Method or apparatus with die casting

	-			-rr r		
29/011	•	Method	or	apparatus	with	drawing

Textiles: cloth finishing

• Edge and/or uncurling; stiffening

29/012	•	Method or apparatus with electroplating
29/013	•	Method or apparatus with electric heating
29/014	•	Method or apparatus with enameling
29/015	•	forming article on end of long stock and then cutting
20/01 6		off
29/016		Method or apparatus with etching
29/017	•	Method or apparatus with making flow lines; crystals
29/018		Method or apparatus with forging
29/010		Method or apparatus with grinding
29/02		Method or apparatus for double blank
29/021		Method or apparatus for heating
29/022		Method or apparatus using indium
29/023		Method or apparatus with knurling
29/024	•	Method or apparatus with local heating
29/025		Method or apparatus with particular material
29/026	•	Method or apparatus with machining
29/027	•	Method or apparatus using magnesium
29/028	•	Magnetic recording digest
29/029	•	Molding with other step
29/03		Ornamenting with other step
29/031	•	Pressing powder with other step
29/032	•	Rolling with other step
29/033 29/034	•	Scoring with other step Scaling with other step
29/034	•	
29/035	•	Shot blasting with other step
29/030	:	Stamping with other step
29/038		
29/039	•	
29/04		Strips of repeated articles - cut up later
29/041		Taper tube making
29/042	•	Tension applied during working
29/043	•	Upsetting and flanging tube end
29/044	•	Vacuum
29/045	•	Titanium
29/046		Vibration
29/047	•	Extruding with other step
29/048	•	Welding with other step
29/049	•	Work hardening with other step
29/05	•	Cutting fluid application and debris control
29/051	•	Power stop control for movable element
29/052	•	Chip breaker Weekrissee and debris separator
29/053 29/054		Workpiece and debris separator Fluid control interrelated with machine tool
29/034	•	mechanism
29/055		with cutter drive
29/056	•	with shield or hood movements
29/057		with cutter feed
29/059	•	Hood actuated by tool or work approach
29/06	•	Progressive displacement of hood
29/061	•	Plural-type debris removers
29/062	•	Rubbing transfer of solid coating to rotating element
29/063	•	Fluid conveyor or applicator
29/064	•	Ambulatory cutter with fluent conduit
29/065	•	11.5
29/066	•	Fluid flow to channeled cutter
29/067	•	6
29/068	•	1
29/069	•	Fluid spreader contacts cutter
29/07	•	Rotary or oscillating fluid applicator

Metal working

29/071	Complete immersion of cutter
29/072	• Dip or splash supply
29/073	Chain or belt conveyor
29/074	Partial immersion of cutter
29/075	Adjustable liquid level
29/076	 Movable liquid-carrying trough
29/077	• with separator or filter
29/078	 Air blast and/or vacuum conveyor
29/079	Removable debris receptacle
29/081	• Gas as a conveyor
29/082	. Air current generated by cutter
29/083	• Fan coaxial with cutter
29/084	• Vacuum exhaust type
29/085	• with fluid control valve
29/086	Hood encased cutter
29/087	• Multiple fluid paths
29/088	• by projecting, squirting or dripping
29/089	• Gas entrained liquid supply
29/09	• Elevated tank supply
29/091	Plural discharge openings
29/092	• Fluid channel in cutter
29/093	Plural discharge loci
29/094	• Debris remover, catcher, or deflector
29/095	• Magnetic or electrostatic
29/096	Mechanical removal assistant
29/097	Cutter engaging cleaner
29/098	• Rotating, reciprocating or oscillating cleaner
29/099	Flexible conveyor
29/10	Screw or cam conveyor
29/101	• Pan, bed, or table
29/102	• Debris chute
29/104	• Tool or work attached
29/105	Assembly, magnetic, or indicia tool
29/90	. Methods and apparatus for assembly by electrostatic
	attraction
29/901	Balancing method
29/902	• Filter making
29/903	Firearm bolt making
29/904	Laminated metal article making
29/905	• Making coil wound wall screen
29/906	• Nuclear device making
Cutlour	

Cutlery

30/00	Cutlery
30/01	Rechargeable battery operated
30/02	• Dry shavers
30/03	Envelope openers
30/04	• Explosive
30/05	• Lawn edgers
30/06	Resilient means
30/07	• Sprinkler and cutter
30/08	Seam rippers

Geometrical instruments

33/00	Geometrical instruments
33/01	• Magnetic
33/02	• Air
33/03	Photoelectric
33/04	. Interferometer
33/05	Differential transformer
33/06	• Dial indicator shock absorber

33/07	Ribbon and wires
33/08	• Eccentrics
33/09	Rectangular proportioner
33/10	• Outlet box
33/11	• Materials
33/12	Mechanical expedients
33/13	• Wire and strain gauges
33/14	• Spline and gear
33/15	Piston position indicator
33/16	Clips and rafters
33/17	• Piston ring and bearing race gauging
33/18	Flush pin gauges
33/19	• Thermal expansive
33/20	. Tile
33/21	• with laser
Drying and	gas or vapor contact with solids
34/00	Drying and gas or vapor contact with solids
34/01	Absorbents and adsorbents
Boots, shoes, and leggings	

36/00	Boots, sh	noes, and	leggings
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- 36/01 . Cement
- 36/02 Plastic

Excavating

37/00	Excavating
37/901	Bucket cleaners
37/902	Hydraulic motors
37/903	Scoop or scraper attachments
37/904	• Vibration means for excavating tool
37/905	. Nondredge excavating by fluid contact or explosion
37/906	. Visual aids and indicators for excavating tool
37/907	Automatic leveling excavators
37/908	Canal cleaners

Textiles: ironing or smoothing

38/00	Textiles: ironing or smoothing
38/01	• Paired leg boards
38/02	• Leg structure
38/03	• Leg latch
Card, pictu	re, or sign exhibiting
40/00	Card, picture, or sign exhibiting
40/00	Mirror that has changing affect

40/90 . Mirror that has changing effect 40/901 . Tv/radio program indicator • Circuit control, e.g. flashing light 40/902 40/903 . Reflective triangle for highway use 40/904 . Map or chart holder . Pen and pencil 40/905 40/906 . Sound 40/907 • Out-to-lunch 40/908 • Animal or fur skin identification . Storage battery identification 40/909 . Automobile license identification 40/91 40/911 . Automobile body identification 40/912 . Automobile motor identification 40/913 . Tool identification 40/914 . Nuclear fuel element identification

40/915	• Golf club identification	Static struct	<u>ures, e.g. buildings</u>
Firearms		52/00	Static structures, e.g. buildings
12/00	T '	52/01	• Hand tools for assembling building co
42/00	Firearms	52/02	 Masonry lattice or openwork
42/01	• Release trigger	52/03	• Trailer or mobile home skirt
<u>Fishing, traj</u>	oping, and vermin destroying	52/04	 Magnetic connecting means for build components
43/00	Fishing, trapping, and vermin destroying	52/05	• Designed for thermal distortion
43/90	Liquid insecticide sprayer	52/06	 Toothed connecting means
		52/07	• Synthetic building materials, reinforc
Fuel and rel	ated compositions	52/00	equivalents
44/00	Fuel and related compositions	52/08	• Imitation beams
44/901	• Fuel combined with material to be heated	52/09	• Structure including reclaimed compo
44/902	• Flameless or glowless, e.g. hair curler	52/10	• Polyhedron
44/903	• Method including measuring, testing or automatic	52/11	• Mobile-structure stabilizing anchor
	control	52/12	• Temporary protective expedient
44/904	. Method involving electric or wave energy	52/13	• Hook and loop type fastener
44/905	• Method involving added catalyst	52/14	• Shelter shaped to article configuration
		52/15	• Seal for corrugated sheets
Plant husba	-	52/16	 Roofing with pressure sensitive adhe shingle
47/00	Plant husbandry	52/17	• with transparent walls or roof, e.g. su
47/01	• Methods of plant-breeding and including chromosome multiplication	52/90	 Hazardous material permeation preversion
47/03	• Propagation of plant by cuttings		
47/06	• Plant growth regulation by control of light thereon	Package ma	king
47/08	. Treatment of plants and seeds with radioactive	53/00	Package making
	energy	53/00	• Bacon and franks packaging
47/09	• Physical and chemical treatment of seeds for	53/02	 High frequency electric sealing
	planting	53/02	 Sealing electron tubes
47/10	• Physical and chemical treatment of agricultural soils	53/90	Capsules
47/11	• The application of protective coatings to plants	55/70	• Capsules
47/12	Sonic or ultrasonic treatment	<u>Gas separati</u>	ion
47/901	• Plant container with flats, filling, planting, or	-	
	conveying	55/00	Gas separation
47/902	• including a recycled component, e.g. tires	55/01	Graduated electrostatic field
47/903	• Operator means for cold frame or window	55/02	• Vacuum cleaner bags
47/904	• Openwork container for a growing medium, e.g.	55/03	• Vacuum cleaner
	wire basket	55/05	• Methods of making filter
47/905	• To remediate contaminated soil	55/06	 Magnetic couplings
Coa bootin	and illuminating	55/07	 Black liquor treatment
Gas: neating	g and illuminating	55/08	Built-in vacuum cleaners
48/00	Gas: heating and illuminating	55/09	• Radioactive filters
48/01	. Recirculation of gases produced to lower part of	55/10	Residue burned
	fuel bed	55/12	• Pocket type filter
48/02	Slagging producer	55/13	• Polyurethane filters
48/03	. High pressure	55/14	• Inertia separator
48/04	. Powdered fuel injection	55/15	Cold traps
48/05	Diffusion membrane for gas reaction or separation	55/17	Compressed air water removal
48/06	• Underground gasification of coal	55/18	. Work bench
48/07	. Slurry	55/19	Crankcase ventilation
48/08	• Internal combustion engine for gas making	55/20	• Spark arrester
48/09	Solar gasification	55/21	. Silencer cleaner
48/10	. Computer resisted control	55/23	• Steam separators

48/10 . Computer resisted control

Movable or removable closures

49/00	Movable or removable closures
49/01	• Thermal breaks for frames
49/02	• Plastic frame components

52/00	Static structures, e.g. buildings
52/01	• Hand tools for assembling building components
52/02	 Masonry lattice or openwork
52/03	• Trailer or mobile home skirt
52/04	• Magnetic connecting means for building components
52/05	Designed for thermal distortion
52/06	Toothed connecting means
52/07	 Synthetic building materials, reinforcements and equivalents
52/08	Imitation beams
52/09	• Structure including reclaimed component, e.g. trash
52/10	• Polyhedron
52/11	Mobile-structure stabilizing anchor
52/12	 Temporary protective expedient
52/13	 Hook and loop type fastener
52/14	Shelter shaped to article configuration
52/15	Seal for corrugated sheets
52/16	• Roofing with pressure sensitive adhesive, e.g. shingle
52/17	• with transparent walls or roof, e.g. sunroom
52/90	• Hazardous material permeation prevention, e.g. radon
ackage ma	king
53/00	Package making

55/00	Gas separation
55/01	Graduated electrostatic field
55/02	. Vacuum cleaner bags
55/03	• Vacuum cleaner
55/05	• Methods of making filter
55/06	 Magnetic couplings
55/07	• Black liquor treatment
55/08	Built-in vacuum cleaners
55/09	Radioactive filters
55/10	• Residue burned
55/12	• Pocket type filter
55/13	• Polyurethane filters
55/14	Inertia separator
55/15	Cold traps
55/17	Compressed air water removal
55/18	• Work bench
55/19	Crankcase ventilation
55/20	• Spark arrester
55/21	Silencer cleaner
55/23	• Steam separators
55/24	• Viscous coated filter
55/25	 Agglomerators
55/26	• Bag coupling
55/27	Cleaners, liquid
55/28	Carburetor attached
55/29	• Air curtains
55/30	• Exhaust treatment
55/31	. Filter frame

Gas separation

55/32	. Gaseous fluid conveying	60/90	• Excess air to internal combustion engine to assist
55/33	Gas mask canister		exhaust treatment
55/34	Indicator and controllers	60/901	• Exhaust treatment special to rotary internal
55/35	 Respirators and register filters 		combustion engines
55/36	• Kitchen hoods	60/902	• Rotary reactor, separator or treater of exhaust of an
55/37	. Louvers	60/903	internal combustion engine
55/38	• Tubular collector electrode	60/903	Closures operatorsPropeller or air plane system
55/39	• Electrets separator	60/905	• Winding and reeling
55/42	• Foam filter materials	60/906	Engine speed responsive throttle control system
55/43	• Knitted filter mediums	60/907	• Working member positioned against counterforce
55/44 55/45	Pile and pile-type filter mediumsWoven filter mediums	00/201	by constantly applied motive fluid
55/46	 Spray booths 	60/908	• Washing machine system
55/40	• Spray bootins	60/909	. Reaction motor or component composed of specific
Harvesters			material
56/00	Harvesters	60/91	• Free piston
56/01	. Crusher	60/911	• Fluid motor system incorporating electrical system
56/02	• Methods	60/912	Cooling means
56/02	. Ground effect	60/913	Collection of reggio patents
56/04	 Friction drive 	60/914	• Explosive
56/05	• with material distribution	60/915	Collection of goddard patents
56/06	• Clutches and gearing	60/916 60/917	Unitary constructionSolid fuel ramjet using pulverized fuel
56/07	• Remote control implement	00/917	• Solid fuel failijet using purvenzed fuel
56/08	• Air gathering	Refrigeration	l
56/09	Detachable implement	-	
56/10	• Uneven terrain compensation	62/00	Refrigeration
56/11	• Hydraulic	62/01 62/02	Radiant cooling
56/12	• Brush	62/02 62/05	Refrigerant pumpsAircraft cooling
56/13	Bermuda grass cutters	62/03	Vacuum plates
56/14	• Hitch	62/10	Vacuum prates Tool cooling
56/15	Condition responsive	62/11	Hydrator receptacles
56/16	. Movable cutter without stationary cutter bar	62/13	. Insulation
56/17	• Cutter details	62/16	Roof and ceiling located coolers
56/18	• Handles	62/17	• Condenser pressure control
56/19	Beaters and wipers	62/19	• Ionic thompson effect
56/20 56/21	Blades, reels and guardsRaking and windrowing	62/20	• Materials used to prevent corrosion in refrigeration
56/22	 Underslung yieldable rotary mower 		system
56/23	 Dehydrating 	62/21	. Evaporators where refrigerant covers heat exchange
56/24	• Harvester guards		coil
56/24	• Hurvester guards	62/22	• Free cooling
<u>Textiles: spir</u>	<u>nning, twisting, and twining</u>	62/23	• Explosive digest
57/00	Textiles: spinning, twisting, and twining	62/90	• Triple column
57/901	Antistatic	62/901 62/902	Single columnApparatus
57/902	Reinforcing or tyre cords	62/902	Apparatus Heat exchange structure
57/903	• Sewing threads	62/904	Coiled heat exchanger
57/904	• Flame retardant	62/905	Column
57/905	Bicomponent material	62/906	• • Packing
57/906	• Line appliances	62/907	• • Insulation
57/907	• Foamed and/or fibrillated	62/908	• Filter or absorber
57/908	. Jet interlaced or intermingled	62/909	Regeneration
		62/91	• • Expander
<u>Chain, staple</u>	e, and horseshoe making	62/911	• • Portable
59/00	Chain, staple, and horseshoe making	62/912	• External refrigeration system
59/90	• Plastic	62/913	• • Liquified gas
59/901	Cross pin	62/914	• Magnetic or electric field
- -		62/915	. Combustion
Power plants	2	62/916	Explosion reduction
60/00	Power plants	62/917	. Mercury
		62/918	. Halocarbon

62/919

. Isotope

Refrigeration

62/92	Carbon monoxide
62/921	• Chlorine
62/922	• Sulfur
62/923	• Inert gas
62/924	• • Argon
62/925	Xenon or krypton
62/926	• Gasoline
62/927	• Natural gas from nitrogen
62/928	. Recovery of carbon dioxide
62/929	. From natural gas
62/93	• • From nitrogen
62/931	Recovery of hydrogen
62/932	From natural gas
62/933	• • From helium
62/934	• • From nitrogen
62/939	. Partial feed stream expansion, air
62/94	• • High pressure column

<u>Jewelry</u>

63/00	Jewelry
63/01	 Adhesive jewelry
63/02	 Perfumed jewelry
63/03	 Plastic jewelry
63/90	. Magnetic connector

Glass manufacturing

65/00	Glass manufacturing
65/01	• Lens envelope
65/03	Cracked glass
65/04	Electric heat
65/05	Foil glass
65/06	Glass electrode
65/08	. Quartz
65/09	. Tube
65/10	. Stemware
65/11	Encapsulating
65/12	• Reed switch
65/13	Computer control
65/15	Nonoxygen containing chalogenides
65/16	Optical filament or fiber treatment with fluorine
	or incorporating fluorine in final product
65/90	 Drying, dehydration, minimizing oh groups
65/901	 Liquid phase reaction process

Textiles: fluid treating apparatus

68/00	Textiles: fluid treating apparatus
68/90	Foam treatment
68/901	• High frequency treatment
68/902	. Devices for storage and reuse of soap suds
68/903	• Perforated drum and continuous textile feed and discharge

Locks

Locks		70/61	. Die cast cyline
70/00	Locks	70/62	 Cylinder plug
70/01	• Tumbler registerable with aperture	70/63	. Multiple locks
70/02	. Tumbler, lateral locking	70/64	. Door spanning
70/05	 Magazine cylinder and pin tumblers 	70/65	. Double door le
70/06	• Bolt dogged in retracted position	70/66	. Double-ended
70/07	. Sleeve with embeddable tooth	70/67	. Handle-contai
70/08	Closure-operator lock	70/68	 Oblique bolt

70/09	• Pawl and ratchet lock
70/10	• Thermally controlled
70/11	• Garage door lock
70/12	• Extension link with detachable link fastener
70/13	• Socket-key lock
70/14	• insertable permanent key
70/15	• Plug with tumbler retainer
70/16	Jail door lock
70/17	Check-key lock
70/18	• Revolving door lock
70/19	• Showcase lock
70/20	• Push to project and lock bolt, key-released
70/21	• Permutation, rotatable-segemental tumbler bolts
70/22	. Segmental tumbler
70/23	• Segmental slot in tumbler cooperating with a pin
70/24	• Curved slot in tumbler
70/25	• Peripheral pin on tumbler
70/26	Locking lug on bolt
70/27	• Manually locked, key-released
70/28	• Fence tumbler
70/29	• Wedge tumbler
70/30	• Switch lock
70/31	• Handle assembly, lock-controlled
70/32	• Positioners
70/33	Starting point
70/34	• Cover fasteners
70/35	Double-ended lock cylinder
70/36	Spring-returned lock cylinder
70/37	Cylinder lock, multiple tumbler arrangements
70/38	Cylinder lock, lateral keyhole
70/39	Cylinder and knob connection
70/40	Cylinder lock utilizing sheet metal
70/41	. Coin-controlled
70/42	Lost motion devices
70/43	Lock protectors
70/44	Combination changers
70/45	• Time lock and auxiliary lock operable on failure of
70/46	time lock
70/46	Conducting key
70/47	Laterally movable keyFluid pressure lock
70/48 70/49	• with alarm
70/50 70/51	Time lock, fluid-controlledLight sensitive control means
70/52	
70/32	Over center springAdjustable spring
70/53	 Double-ended spring
70/54	 Unitary multiple springs
70/56	 Lock protecting cover
70/57	Screw guard
70/58	• Handle guard
70/59	Lock with indicator
70/60	Opposed cylinders
70/61	Die cast cylinder
70/62	Cylinder plug stop
70/63	• Multiple locks
70/64	• Door spanning bolt
70/65	• Double door lock
70/66	• Double-ended bolt
70/67	• Handle-contained latch operator
70/68	• Oblique bolt

Locks

Floating bolt
• Geneva stop
 Combined permutation and key lock
Telephone lock
• Thumb latch operator
Spring tumbler
Adjustable tumbler
• Manually operated tumbler
. Jaw tumblers
Sliding and oscillating bolt
Sliding and rotary bolt
• Sliding bolt with sliding operating means
Camouflaging means

<u>Chemistry: fertilizers</u> 71/00 Chemistry: fertiliz

71/00	Chemistry: fertilizers
71/02	Chelating agent
71/03	 Defluorination
71/04	 Anti-corrosion
71/90	• Foams
71/901	 Refuse conditioning
71/902	 Nitrification inhibition
71/903	 Soil conditioner
71/904	• Carrier

Metal deforming

72/00	Metal deforming
72/70	. Deforming specified alloys or uncommon metal or
	bimetallic work
72/701	Preventing distortion
72/702	• Overbending to compensate for springback
72/703	. Knurling
72/704	Camber-adjusting tool
72/705	. Vehicle body or frame straightener
72/706	• Explosive
72/707	. Magnetism
72/708	Reverse drawing
72/709	Superplastic material
72/71	• Vibrating
72/711	Hydrostatic extrusion
72/712	Electrical terminal crimper
72/713	. Method of making vehicle power transmitting shaft
72/714	. Method of making universal joint shell
72/715	• Method of making can bodies

Measuring and testing

73/00	Measuring and testing
73/01	• Vibration
73/02	Magnetostrictive
73/03	• Hall effect
73/04	• Piezoelectric
73/05	. Liquid levels with magnetic transmission
73/08	Fluid circuits
73/09	• Molten metal samplers
73/10	. instrument mechanisms with acceleration
	compensation
73/11	Photoelectric cell
73/90	Automatic gain control
73/901	• Digital readout

Machine element or mechanism

74/00	Machine element or mechanism
74/01	• Hydraulic control systems automatic automotive controls
74/02	• Miscellaneous control systems, e.g. ship propulsion, machine tools
74/03	. Movable van or blade torque converters
74/04	• Magnetic gearing
74/05	• Gas turbine with gearing
74/06	Transistor-electronic gearing controls
74/07	. Indicators-sensors and meters
74/08	. Marine control-ship transmission control means
74/09	Perpetual motion gimmicks
74/10	Polymer digest - plastic gears
74/11	• Creeper speed
74/12	• Novikov gears
74/90	Particular shift pattern
ecialized	metallurgical processes, compositions for use therein.

<u>Specialized metallurgical processes, compositions for use therein,</u> <u>consolidated metal powder compositions, and loose metal</u> <u>particulate mixtures</u>

75/00	Specialized metallurgical processes, compositions for use therein, consolidated metal powder compositions, and loose metal particulate mixtures
75/95	 Consolidated metal powder compositions of >95% theoretical density, e.g. wrought
75/951	• • Oxide containing, e.g. dispersion strengthened
75/952	• Producing fibers, filaments, or whiskers
75/953	• Producing spheres
75/954	Producing flakes or crystals
75/955	Producing dental product
75/956	• Producing particles containing a dispersed phase
75/957	. Continuous refining of molten iron
75/958	• with concurrent production of iron and other desired nonmetallic product, e.g. energy, fertilizer
75/959	• Thermit-type reaction of solid materials only to yield molten metal
75/96	• in zero gravity environment
75/961	• Treating flue dust to obtain metal other than by consolidation
75/962	• Treating or using mill scale
Metal tools a	<u>nd implements, making</u>
Metal tools an 76/00	nd implements, making Metal tools and implements, making
76/00	Metal tools and implements, making
76/00 76/01	Metal tools and implements, making . Bowling pin
76/00 76/01 76/02	Metal tools and implements, makingBowling pinCase hardening
76/00 76/01 76/02 76/03	Metal tools and implements, makingBowling pinCase hardeningCasting
76/00 76/01 76/02 76/03 76/04	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium
76/00 76/01 76/02 76/03 76/04 76/05	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding
76/00 76/01 76/02 76/03 76/04 76/05 76/06	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07	Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08	Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08 76/09	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling Tungsten and tungsten carbide
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08 76/09 76/09	Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08 76/09 76/09 76/10 76/11	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling Tungsten and tungsten carbide
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08 76/09 76/10 76/11 76/12	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling Tungsten and tungsten carbide
76/00 76/01 76/02 76/03 76/04 76/05 76/06 76/07 76/08 76/09 76/10 76/11 76/12 Tools	 Metal tools and implements, making Bowling pin Case hardening Casting Chromium Electric welding Laminated Plastics Razor blade manufacturing Razor blade sharpeners Soldering and cooling Tungsten and tungsten carbide Diamond tools

Tools

81/03	• Wrenches, thread-adjustment lock	83/93	Radioactive
81/04	• Double adjustments, sliding jaw	83/931	Tobacco
81/05	• Wrench scales and indicia	83/932	• • Edible
81/06	 Spring means biasing wrench jaws 	83/933	• Book, being dest
81/07	Bicycle spoke or nipple wrench	83/934	• • Book, being mad
81/08	Crowfoot-type wrenches	83/935	• • Endless band
81/09	• Pivoted jaw latch means	83/936	• • Cloth or leather
81/10	Iris-type wrench head	83/937	From continuo
81/11	 Adapters for different-sized fasteners 	83/938	Moving cloth of
81/12	• Power hammer	83/939	• • • with work supp
81/90	• Wrench or screwdriver constructed from specific material	83/94	•••• Cutter move perpendicula
81/901	. Wrench or screwdriver adapted to turn eye screw	83/941	•••• Work sup
T		83/942	Contact pin of ele
<u>Turning</u>		83/943	• • Pallet
82/00	Turning	83/944	• • Syringe needle
82/90	• Lathe thermal regulation	83/945	Separating conne
82/901	• Chip removal	83/946	• • Container
82/902	• Oil grooving device	83/947	• • insulation about
82/903	• Balancing and centering	83/948	• • having "memory"
82/904	• Vibrating method or tool		film
82/905	• Transmission accessory or control	83/949	• • Continuous or we
	2	83/95	Strandlike
<u>Cutting</u>		83/951	• • Rubber tyre
83/00	Cutting	83/952	• • Moving work
	Cutting	83/953	• • with work support
83/01	Safety devices	83/954	 Knife changing
83/02	I-shaped beam cutter	83/955	Cutter edge shiftabl
83/03	• Inflatable tube		edge
83/901	• Apparel collar making	83/956	 Ultrasonic
83/902	. Attachments for other types of machine		
83/903	Battery grid trimming	<u>Music</u>	
83/904	Book index cutting	<u>Music</u> 84/00	Music
83/904 83/905	Book index cuttingButtonhole making	84/00	
83/904 83/905 83/906	Book index cuttingButtonhole makingChip making		Music Plural speakers Preference network
83/904 83/905 83/906 83/907	Book index cuttingButtonhole makingChip makingCoiled wire cutting	84/00 84/01	Plural speakersPreference network
83/904 83/905 83/906 83/907 83/908	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making 	84/00 84/01 84/02	Plural speakersPreference networkFoldable; detachabl
83/904 83/905 83/906 83/907	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or 	84/00 84/01 84/02 84/03 84/04	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble;
83/904 83/905 83/906 83/907 83/908 83/909	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support 	84/00 84/01 84/02 84/03 84/04 84/05	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff
83/904 83/905 83/906 83/907 83/908 83/909 83/91	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch
83/904 83/905 83/906 83/907 83/908 83/909 83/911 83/911 83/912	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators
83/904 83/905 83/906 83/907 83/908 83/909 83/919 83/911 83/912 83/913	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering
83/904 83/905 83/906 83/907 83/908 83/909 83/919 83/911 83/912 83/913 83/914	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/913 83/914 83/915	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9153	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and point
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9153 83/9155	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/911 83/912 83/913 83/914 83/9153 83/9153 83/9155 83/916	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9155 83/9155 83/916 83/917	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/911 83/912 83/913 83/914 83/9153 83/9153 83/9155 83/916	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/10 84/11 84/12 84/13 84/14 84/15 84/16	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9155 83/9155 83/916 83/917	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9153 83/9155 83/916 83/917 83/918	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking Shingle making 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/9153 83/916 83/917 83/918 83/919	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resistive
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/9153 83/9153 83/9155 83/916 83/917 83/918 83/919 83/92	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking Shingle making 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resis Monophonic
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/915 83/9155 83/916 83/917 83/918 83/919 83/92 83/921	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking Shingle making Slide fastener cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resis Monophonic Mechanical resonat
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/913 83/914 83/9153 83/9153 83/9155 83/916 83/917 83/918 83/919 83/92 83/921 83/922	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking Slide fastener cutting Tacky web cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21 84/22	 Plural speakers Preference network Foldable; detachable Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and periodic structure Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resistion Monophonic Mechanical resonattion
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/9155 83/916 83/917 83/918 83/919 83/92 83/921 83/922 83/923	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Sample taking Slide fastener cutting Tacky web cutting Waste product cutting Work wrapped or coated around a core, not part of the machine 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21 84/22 84/23	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resis Monophonic Mechanical resonat Chord organs Electronic gates for
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/9155 83/916 83/917 83/918 83/919 83/92 83/921 83/922 83/923	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Pinking Sample taking Slide fastener cutting Tacky web cutting Waste product cutting Work wrapped or coated around a core, not part of 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/10 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21 84/22 84/23 84/24	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resist Monophonic Mechanical resonat Chord organs Electronic gates for Piezoelectrical transitive resist
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/915 83/915 83/916 83/917 83/918 83/919 83/92 83/921 83/922 83/923 83/924	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Sample taking Slide fastener cutting Tacky web cutting Waste product cutting Work wrapped or coated around a core, not part of the machine 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21 84/22 84/23 84/24 84/23	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resistive resistive resistive resistive resistive resistive cater store and the chanical resonattion of the chanical resonattion of the peak of the peak of the peak of the chanical resonattion of the peak of
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/915 83/915 83/916 83/917 83/918 83/919 83/92 83/921 83/922 83/924 83/927	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Sample taking Slide fastener cutting Tacky web cutting Waste product cutting Waste product cutting Wrik wrapped or coated around a core, not part of the machine Printer's rule cutting 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/17 84/18 84/19 84/20 84/21 84/22 84/23 84/24 84/25 84/26	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resistive resistive
83/904 83/905 83/906 83/907 83/908 83/909 83/91 83/911 83/912 83/913 83/914 83/915 83/915 83/9155 83/9155 83/916 83/917 83/918 83/919 83/92 83/921 83/922 83/924 83/927 83/928	 Book index cutting Buttonhole making Chip making Coiled wire cutting Comb, rake, or other toothed article making Cutting strand extending from or lying on strand or package support Embroidery trimming or cutting Envelope blank forming Envelope openers Filament to staple fiber cutting Flash trimming Fur cutting Ice cutting machines Microtome Nibbling Notching Single making Slide fastener cutting Tacky web cutting Waste product cutting Work wrapped or coated around a core, not part of the machine Printer's rule cutting Vehicle-mounted tool 	84/00 84/01 84/02 84/03 84/04 84/05 84/06 84/07 84/08 84/09 84/10 84/10 84/11 84/12 84/13 84/14 84/15 84/16 84/17 84/18 84/19 84/20 84/21 84/22 84/23 84/24 84/23	 Plural speakers Preference network Foldable; detachabl Chorus; ensemble; Chiff Cathode-ray tube Electric key switch Keyed oscillators Filtering Feedback Frequency dividers Side; rhythm and pe Gas discharge tube Harmonicas Accordions Crescendo Cabinets Tuning Light sensitive resistive resistive resistive resistive resistive resistive cater store and the chanical resonattion of the chanical resonattion of the peak of the peak of the peak of the chanical resonattion of the peak of

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g ated around a core, not part of	
ol vork or product rd ent lead trimming	

83/93	Radioactive
83/931	Tobacco
83/932	Edible
83/933	. Book, being destroyed, e.g. cover being cut away
83/934	• Book, being made, e.g. trimming a signature
83/935	• Endless band
83/936	. Cloth or leather
83/937	• • From continuous or wound supply
83/938	Moving cloth or leather
83/939	• • • with work support
83/94	Cutter moves along bar, bar moves
	perpendicularly
83/941	Work support comprising penetratable bed
83/942	Contact pin of electrical component
83/943	• • Pallet
83/944	Syringe needle
83/945	Separating connected articles
83/946	Container
83/947	insulation about wire
83/948	• • having "memory", e.g. photographic or magnetic
	film
83/949	Continuous or wound supply
83/95	Strandlike
83/951	Rubber tyre
83/952	Moving work
83/953	• • with work support
83/954	Knife changing
83/955	• Cutter edge shiftable to present different portion of
00/05/	edge
83/956	• Ultrasonic
<u>sic</u>	
84/00	Music
84/01	• Plural speakers
84/02	Preference networks
84/03	• Foldable; detachable; collapsible
84/04	. Chorus; ensemble; celeste
84/05	• Chiff
84/06	• Cathode-ray tube
84/07	• Electric key switch structure
84/08	• Keyed oscillators
84/09	. Filtering
84/10	. Feedback
84/11	• Frequency dividers
84/12	• Side; rhythm and percussion devices
84/13	• Gas discharge tube
84/14	• Harmonicas
84/15	Accordions
84/16	Crescendo
84/17	Cabinets
84/18	. Tuning
84/18 84/19	Light sensitive resistor
84/20	Monophonic
84/20 84/21	Monophonic Mechanical resonator
84/22	
84/22 84/23	Chord organsElectronic gates for tones
	• Electronic gates for tones
84/24	
81/25	· Piezoelectrical transducers
84/25	Piezoelectrical transducersPedal clavier
84/26	Piezoelectrical transducersPedal clavierReverberation
	Piezoelectrical transducersPedal clavier

Music

1120010		
84/29	. Tape	10
84/30	• Fret control	
Motors: ovn	pansible chamber type	10
<u> 101013. exp</u>	ansible chamber type	10 10
91/00	Motors: expansible chamber type	10
91/01	• Digital	10
91/02	• Exhaust throttled motor control	10
91/03	. Large area valve	10
91/04	• Magnets	10
Expansible (chamber devices	10
92/00	Evenovcible chember devices	10
92/00 92/01	Expansible chamber devices Bearing on piston or cylinder 	10
92/02	 Fluid bearing 	10
92/02	Flexible drive	10
92/04	Lost motion	10
		10
<u>Gas separat</u>	ion: processes	10
95/00	Gas separation: processes	
95/90	Solid sorbent	10
95/901	Activated carbon	10
95/902	Molecular sieve	10
95/903	Carbon	10
Foods and b	everages: apparatus	10
99/00	Foods and beverages: apparatus	Amn
99/10	Temperature responsive	
99/11	Conductivity control	10
99/12	• Supersonic	10
99/13	• Electrical deposition	10
99/14	• Induction heating	10
99/15	• Pie pans	10 10
Presses		10
100/00	Presses	Raily
100/901	 Scrap auto body crushers 	
100/902	• Can crushers	10
100/903	• Pelleters	10
100/904	Screw	Com
100/905	• • inner roll	
100/906	Reciprocating	10
100/907	Rotary	10
100/908	Series rolls	10 10
100/909	• Adjustable die openings	10
100/91	• Meat	10
100/911 100/912	Jet or explosiveBinder containers	10
100/912	 Truss presses 	10
100/913	Scrap paper	
100/915	 Fixed upper ram, lower movable receptacle 	
100/916	Coil tightener and binder	<u>Hori</u>
100/917	• Magnetic	10
100/918	• Bolster and die	10
Printing		10
Printing	D : <i>i</i>	Plan
101/00	Printing	11

• Printing involving a color-forming phenomenon

. Devices for applying metal leaf employing hot dies

. Special article printing with article controlled

operation

101/32	• Means to vary the time of contact of one or more
	rollers in an ink train
101/33	• Ink transfer employing one or more belts
101/34	. Means to agitate ink in a reservoir
101/35	. Rollers and track therefore in printing presses
101/36	• Means for registering or alignment of print plates on
101/27	print press structure
101/37 101/38	Printing employing electrostatic forceMeans for axially reciprocating inking rollers
101/38	 Printing on cylinder of revolution
101/39	 Means to print on golf balls
101/41	 Means for braking press cylinders
101/42	• Means for tensioning webs
101/43	• Machines printing by both intaglio and another type
	of printing means
101/44	Coin controlled printing machines
101/45	• Sensor for ink or dampening fluid thickness or
101/46	density
101/46	 Printing operation controlled by code indicia on printing plate or substate
101/47	Automatic or remote control of metering blade
101/4/	position
101/48	• Endless printing belt for other than selective or
	progressive printing
101/49	• Convertible printing press, e.g. lithographic to letter
	press
Ammunition	and explosives
102/00 102/70	Ammunition and explosives
102/701	Combustilbe cartridgeCharge wave forming
102/701	Compression ignition
102/702	. Flechette
102/703	. Coolants
102/704	Separated explosive constituents
	1 1
<u>Railways</u>	
104/00	Railways
104/01	• Toy railroad
Composition	
<u>Composition</u>	s: coating or plastic
	s: coating or plastic
106/00	Compositions: coating or plastic
106/01	Compositions: coating or plastic . Fly ash
106/01 106/02	Compositions: coating or plastic . Fly ash . Perlite
106/01 106/02 106/03	Compositions: coating or plastic . Fly ash . Perlite . Mica
106/01 106/02 106/03 106/04	Compositions: coating or plastic Fly ash Perlite Mica Bentonite
106/01 106/02 106/03 106/04 106/07	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions
106/01 106/02 106/03 106/04 106/07 106/90	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions • Soil stabilization
106/01 106/02 106/03 106/04 106/07	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions
106/01 106/02 106/03 106/04 106/07 106/90 106/901	 Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymer-containing mixture
106/01 106/02 106/03 106/04 106/07 106/90 106/901	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions • Soil stabilization • Low molecular weight hydrocarbon polymer-
106/01 106/02 106/03 106/04 106/07 106/90 106/901	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions • Soil stabilization • Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces
106/01 106/02 106/03 106/04 106/07 106/90 106/901 Horizontally 108/00 108/901	Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces Synthetic plastic industrial platform, e.g. pallet
106/01 106/02 106/03 106/04 106/07 106/90 106/901 Horizontally 108/00	Compositions: coating or plastic • Fly ash • Perlite • Mica • Bentonite • Asphalt binders in coating compositions • Soil stabilization • Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces
106/01 106/02 106/03 106/04 106/07 106/90 106/901 Horizontally 108/00 108/901	Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces Synthetic plastic industrial platform, e.g. pallet
106/01 106/02 106/03 106/04 106/90 106/901 Horizontally 108/00 108/901 108/902	Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces Synthetic plastic industrial platform, e.g. pallet
106/01 106/02 106/03 106/04 106/07 106/90 106/901 Horizontally 108/00 108/901 108/902 Planting	 Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymercontaining mixture supported planar surfaces Horizontally supported planar surfaces Synthetic plastic industrial platform, e.g. pallet Made with deformable integral fastening elements
106/01 106/02 106/03 106/04 106/07 106/90 106/901 Horizontally 108/00 108/901 108/902 Planting 111/00	Compositions: coating or plastic Fly ash Perlite Mica Bentonite Asphalt binders in coating compositions Soil stabilization Low molecular weight hydrocarbon polymer- containing mixture supported planar surfaces Horizontally supported planar surfaces Synthetic plastic industrial platform, e.g. pallet Made with deformable integral fastening elements

101/29

101/30

Planting

111/902	. Pasture renovation	116/27	Blowout plates
111/903	. Monitor	116/28	• Push button structure
111/904	• • Population control function	116/29	• TV tuner
111/905	• Seed treating seed planter	116/30	. Remote TV tuner
111/906	Specialized commodity	116/31	• TV channel selector
111/907	Cane	116/32	Content indicator by weight
111/908	• • Potato	116/33	Indicator for elevated cables
111/909	Bulb	116/34	Tension indicating
111/91	Onion	116/35	Electroluminescent dials
111/911	Rice	116/36	Illuminated dial and pointer
111/912	• • Pineapple	116/37	• Multiple movable scales
111/913	• • Vegetable, i.e. small seed	116/38	• Hot box alarm
111/914	Lettuce	116/39	• Dial magnifiers
111/915	Special condition	116/40	. Flare devices
111/916	• • Seed pellet	116/41	Color comparison
111/917	Gel	116/42	. Oil filter
111/918	Sprout	116/43	Navigation devices
111/919	Special transplant related feature	116/44	Portable personal alarms
111/92	• Airplane	116/45	• Parallax
111/921	• Unique motor drive	116/46	Interchangeable scales
111/922	• Variable drive mechanism	116/47	• Scale conversion, e.g. english-metric
111/923	. Interrow, intercrop planter		
111/924	• Minimum and no till planter		al, oriented-crystal, and epitaxy growth processes;
111/925	 Tank and hopper trailers 	non-coating	<u>apparatus therefor</u>
111/926	 Special suspension or gauging feature 	117/00	Single-crystal, oriented-crystal, and epitaxy
111/927	Parallelogram mounting		growth processes; non-coating apparatus therefor
~ .		117/90	Apparatus characterized by composition or
<u>Sewing</u>			treatment thereof, e.g. surface finish, surface coating
112/00	Sewing	117/901	. Levitation, reduced gravity, microgravity, space
112/01	• Suction thread cutting	117/902	• • Specified orientation, shape, crystallography, or
112/02	• Air work handling		size of seed or substrate
112/03	• Pneumatic	117/903	. Dendrite or web or cage technique
		117/904	. Laser beam
Signals and i	indicators	117/905	• Electron beam
		117/000	• Special atmosphere other than vacuum or inert
-	Signals and indicators	117/906	
116/00	Signals and indicators	117/907	Refluxing atmosphere
116/01	• Combined with diverse elements	117/907 117/91	Downward pulling
116/01 116/02	Combined with diverse elementsCorrections by cursor lines	117/907 117/91 117/911	Downward pullingSeed or rod holders
116/01 116/02 116/03	Combined with diverse elementsCorrections by cursor linesShiftable indicia	117/907 117/91	Downward pullingSeed or rod holdersReplenishing liquid precursor, other than a moving
116/01 116/02 116/03 116/04	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley 	117/907 117/91 117/911 117/912	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone
116/01 116/02 116/03 116/04 116/05	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides 	117/907 117/91 117/911	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance
116/01 116/02 116/03 116/04 116/05 116/06	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure 	117/907 117/91 117/911 117/912 117/913	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy
116/01 116/02 116/03 116/04 116/05 116/06 116/07	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated 	117/907 117/91 117/911 117/912	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator 	117/907 117/91 117/911 117/912 117/913 117/914	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons 	117/907 117/91 117/911 117/912 117/913 117/914 117/915	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents 	117/907 117/91 117/911 117/912 117/913 117/914 117/915 117/916	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders 	117/907 117/91 117/911 117/912 117/913 117/914 117/915 117/916 117/917	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers 	117/907 117/91 117/911 117/912 117/913 117/914 117/914 117/916 117/917 117/918	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices 	117/907 117/91 117/911 117/912 117/913 117/914 117/915 117/916 117/917	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/915 117/916 117/917 117/918 117/919	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14 116/15	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/915 117/916 117/917 117/918 117/919 Coating app	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14 116/15 116/16	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/916 117/916 117/917 117/918 117/919 Coating app 118/00	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14 116/15	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14 116/15 116/16 116/17 116/18	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/915 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater
116/01 116/02 116/03 116/04 116/05 116/06 116/07 116/08 116/09 116/10 116/11 116/12 116/13 116/14 116/15 116/16 116/17 116/18 116/19	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generator with resonating element 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/915 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Container-related coater
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/10\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators Wave generator with resonating element Automobile transmission position 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/915 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Container-related coater Curtain coater
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/10\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ 116/21\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators with resonating element Automobile transmission position Shaft position indicators 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/915 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04 118/05	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Curtain coater Fluidized bed
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/09\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ 116/21\\ 116/21\\ 116/22\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators Wave generator with resonating element Automobile transmission position 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/915 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04 118/05 118/06	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Curtain coater Fluidized bed Fruit coater
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/09\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ 116/21\\ 116/21\\ 116/23\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators Heated air Movable index 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/915 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04 118/05 118/06 118/07	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Curtain coater Fluidized bed Fruit coater Hoods
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/09\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ 116/21\\ 116/22\\ 116/23\\ 116/24\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators Heated air Movable index with suction cups 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/915 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04 118/05 118/06 118/07 118/08	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Curtain coater Fluidized bed Fruit coater Hoods Pan greaser
$\begin{array}{c} 116/01\\ 116/02\\ 116/03\\ 116/04\\ 116/05\\ 116/06\\ 116/07\\ 116/08\\ 116/09\\ 116/09\\ 116/10\\ 116/11\\ 116/12\\ 116/13\\ 116/14\\ 116/15\\ 116/16\\ 116/17\\ 116/18\\ 116/19\\ 116/20\\ 116/21\\ 116/21\\ 116/23\\ \end{array}$	 Combined with diverse elements Corrections by cursor lines Shiftable indicia Variable pulley using light guides Pointer structure Fluid actuated Inflatable indicator Balloons Bimetal detents On ski binders Door knockers Inclinometers for earth working devices Tapes as carriers Projection Road structure Tactile Wave generators Wave generators Heated air Movable index 	117/907 117/91 117/911 117/912 117/913 117/913 117/914 117/914 117/915 117/916 117/917 117/916 117/917 117/918 117/919 Coating app 118/00 118/01 118/02 118/03 118/04 118/05 118/06 118/07	 Downward pulling Seed or rod holders Replenishing liquid precursor, other than a moving zone Graphoepitaxy or surface modification to enhance epitaxy Crystallization on a continuous moving substrate or cooling surface, e.g. wheel, cylinder, belt Separating from substrate Oxygen testing Magnetic Single-crystal waveguide Organic aratus Coating apparatus Anti-offset Bead coater Curtain coater Fluidized bed Fruit coater Hoods

118/10	• Pipe and tube inside
118/11	• Pipe and tube outside
118/12	• Pipe and tube immersion
118/13	• Pipe and tube miscellaneous
118/14	• Roller, conical
118/15	• Roller structure
118/16	• Slinger type
118/17	• Wallpaper coater
118/18	• Wire and cord die
118/19	• Wire and cord immersion
118/20	• Wire and cord roller
118/21	• Wire and cord striper
118/22	• Wire and cord miscellaneous
118/90	. Semiconductor vapor doping

Animal husbandry

119/00	Animal husbandry
119/01	• Milk digest
119/90	 Feed saving device
119/901	Chain feeder
119/902	• Feed agitator
119/903	Poultry roost preventing device
119/904	Stanchion sure stop
119/905	Breaking or training method
119/906	Animal counting
119/907	• Harness
119/908	• Electrical animal control or handling

Liquid heaters and vaporizers

122/00	Liquid heaters and vaporizers
122/01	• Air heater
122/02	. Air heater - indirectly heated
122/03	• Gas flow baffles
122/04	• Once through boilers
122/05	Critical pressure
122/06	 Damper-directed radiation
122/07	• Feeding air
122/10	• Portable units
122/11	. Removable steam-heating elements
122/13	. Tubes - composition and protection
122/14	• Tube replacement
122/15	• Valves
122/16	. Welding

Internal-combustion engines

123/00 123/01	Internal-combustion engines
123/01	• Interchangeable A commulated fuel raturn to tank or angine induction
125/02	 Accumulated fuel return to tank or engine-induction system
123/03	• Model
123/04	Stratification
123/05	Crankcase pressure-operated pumps
123/06	• Detachable
123/07	. Convertible
123/08	• Multiple engine units
123/09	Flame ignition
123/10	Fluidic amplifier fuel control
123/11	• Antidieseling
123/12	. Hydrogen
123/13	. Gas

Mechanical guns and projectors

Mitenanicai S	uns und projectors
124/00	Mechanical guns and projectors
124/90	• Limb tip rotatable element structure
12-1/90	· Enilo up foundole clement surdeture
Stone workin	g
	-
125/00	Stone working
125/901	 forming piezoelectric crystals
G. 10	
Stoves and fu	<u>rnaces</u>
126/00	Stoves and furnaces
126/903	Solar collector cleaning device
126/904	• Arrangements for sealing solar collector
126/905	• Preventing condensing of moisture in solar collector
126/906	• Connecting plural solar collectors as a unit
126/907	• Absorber coating
126/908	Particular chemical
126/909	Linear concentrating lens
126/91	Heat storage liquid
120/91	• Heat storage liquid
Sugar, starch	, and carbohydrates
<u>Bugur</u> , Bur en	<u>y und cur bony ur utes</u>
127/00	Sugar, starch, and carbohydrates
127/01	. Caramel
<u>Surgery</u>	
128/00	Surgery
128/01	• Motorized syringe
128/03	• Heart-lung
128/06	 Intravenous injection support
128/07	Servo-systems
128/08	Collagen
	Fluid amplifiers
128/10	Pressure infusion
128/12	
128/13	• Infusion monitoring
128/14	• Polytetrafluoroethylene, i.e. PTFE
128/15	• Hook and loop type fastener
128/18	• Heat shrinkable film
128/19	Clavicle splint
128/20	• Inflatable splint
128/21	. Silicone
128/22	Blood coagulation
128/23	Cervical collars
128/24	Medical-surgical bags
128/25	 Artificial sphincters and devices for controlling
	urinary incontinence
128/26	Cannula supporters
128/27	Cryogenic
128/90	Blood pressure recorder
128/901	Suppression of noise in electric signal
128/902	Biological signal amplifier
128/903	Radio telemetry
128/904	• Telephone telemetry
128/905	• Feedback to patient of biological signal other than
	brain electric signal
128/906	Multiphasic diagnostic clinic
128/907	. Acupuncture
128/908	• Patient protection from electric shock
128/909	• Breathing apparatus with means for preventing
	patient cross-contamination
128/91	• Anesthesia gas scavenging system
128/911	• Unilimb inhalation-exhalation breathing tubes
	· · · · · · · · · · · · · · · · · · ·

Surgery

128/912	• Connections and closures for tubes delivering fluids to or from the body
128/913	• Breathable liquids
128/914	• Rebreathing apparatus for increasing carbon dioxide content in inhaled gas
128/915	• Ultrasound mammography
128/916	• Ultrasound 3-D imaging
128/917	• Body fluid, devices for protection therefrom, e.g.
	aids, hepatitus
128/918	Condoms and shields
128/919	• • Syringe, means to protect user
128/92	Computer assisted medical diagnostics
128/921	. Diet management
128/922	• including image analysis
128/923	• • by comparison of patient data to other data
128/924	using artificial intelligence
128/925	Neural network

Tobacco

131/00	Tobacco
131/01	• Pipe literature
131/90	 Liquified gas employed in puffing tobacco
131/901	Organic liquid employed in puffing tobacco
131/902	• Inorganic chemical agents employed in puffing tobacco
131/903	• Fixing the product after puffing
131/904	• Pneumatic means for sensing condition or characteristic
131/905	• Radiation source for sensing condition or characteristic
131/906	• Sensing condition or characteristic of continuous tobacco rod
131/907	• Ejection or rejection of finished article due to detected or sensed condition
131/908	• Sensing unique characteristic or specific condition of finished product
131/909	 Sensing condition in feed hopper for cigar or cigarette making
131/91	• Sensing or detecting malfunction in cigar or cigarette maker

Toilet

132/00	Toilet
132/901	• Comb tooth shape
132/902	• Liquid treating forms and mandrels

Cleaning and liquid contact with solids

134/00	Cleaning and liquid contact with solids
134/90	• Paint roller
134/901	Contact lens
134/902	Semiconductor wafer

Tent, canopy, umbrella, or cane

135/00	Tent, canopy, umbrella, or cane
135/90	• Worker or spectator shelter
135/901	. Hunting blind or ice-fishing shelter
135/902	• Dressing shelter, e.g. beach or bathing
135/903	Roller-operated canvas
135/904	. Separate storage means or housing for shelter
135/905	• Method of erecting shelter
135/906	Arched structure

135/907	• Cover stretcher
135/908	• Super tent or canopy
135/909	• Fitting
135/91	. Illuminated cane or umbrella
135/911	• Cane for the blind
135/912	• Wheeled framework

135/913 Flaccid cover made of netting

Batteries: thermoelectric and photoelectric

136/00	Batteries: thermoelectric and photoelectric
136/29	• Testing, calibrating, treating, e.g. aging
136/291	Applications
136/292	Space - satellite
136/293	Circuits

Fluid handling

137/00	Fluid handling
137/90	. Bumpless manual to automatic relays
137/901	Biased ball valves with operators
137/902	Slush pump check valves
137/903	• Rubber valve springs
137/904	Cushion check valves
137/905	• Rotary valves for multiple gas burners
137/906	• Valves biased by fluid "springs"
137/907	. Vacuum-actuated valves
137/908	Respirator control
137/909	• Magnetic fluid valve
137/91	. Destructible or deformable element constructed of
	specific material

Pipes and tubular conduits

138/00	Pipes and tubular conduits
138/01	. Adhesive
138/02	• Glass fiber
138/03	• Polytetrafluoroethylene, i.e. PTFE
138/04	Air conditioning
138/05	. Pre-stress
138/06	Corrosion
138/07	. Resins
138/08	. Bent shaped retained
138/09	• Cellular
138/10	• Metal foil
138/11	• Shape

Textiles: weaving

139/00	Textiles: weaving
139/01	 Bias fabric digest

<u>Fluent material handling, with receiver or receiver coacting</u> <u>means</u>

141/00	Fluent material handling, with receiver or receiver coacting means
141/01	• Magnetic
141/02	Fluidic flow control valves

Metal treatment

148/00	Metal treatment
148/001	. Amorphous semiconductor
148/002	• Amphoteric doping
148/003	. Anneal

148/004	• Annealing, incoherent light	148/065 . Gp III-V generic compounds-processing
148/005	 Antimonides of gallium or indium 	148/066 . Gp III-V liquid phase epitaxy
148/006	• Apparatus	148/067 . Graded energy gap
148/007	Autodoping	148/068 Graphite masking
148/008	Bi-level fabrication	148/069 . Green sheets
148/009	. Bi-MOS	148/07 • Guard rings and cmos
148/01	Bipolar transistors-ion implantation	148/071 . Heating, selective
148/011	• Bipolar transistors	148/072 • Heterojunctions
148/012	• Bonding, e.g. electrostatic for strain gauges	148/073 • Hollow body
148/013	 Breakdown voltage 	148/074 • Horizontal melt solidification
148/013	Capacitor	148/075 Imide resists
148/014	Capping layer	148/076 . Implant
		-
148/016	Catalyst	1 11
148/017	. Clean surfaces	148/078 Impurity redistribution by oxidation
148/018	Compensation doping	148/079 Inert carrier gas
148/019	Contacts of silicides	148/08 . Infrared
148/02	Contacts, special	148/081 Insulators
148/021	Continuous process	148/082 . Ion implantation FETs/COMs
148/022	Controlled atmosphere	148/083 . Ion implantation, general
148/023	Deep level dopants	148/084 . Ion implantation of compound devices
148/024	 Defect control-gettering and annealing 	148/085 . Isolated-integrated
148/025	Deposition multi-step	148/086 . Isolated zones
148/026	• Deposition thru hole in mask	148/087 . I2L integrated injection logic
148/027	• Dichlorosilane	148/088 J-Fet, i.e. junction field effect transistor
148/028	• Dicing	148/089 Josephson devices
148/029	• Differential crystal growth rates	148/09 Laser anneal
148/03	 Differential crystal growth faces Diffusion 	148/091 • Laser beam processing of fets
148/031	Diffusion at an edge	148/092 • Laser beam processing-diodes or transistor
	-	
148/032	• Diffusion length	148/093 Laser beam treatment in general
148/033	• Diffusion of aluminum	148/094 Laser beam treatment of compound devices
148/034	Diffusion of boron or silicon	148/095 Laser devices
148/035	• Diffusion through a layer	148/096 . Lateral transistor
148/036	• Diffusion, nonselective	148/097 . Lattice strain and defects
148/037	Diffusion-deposition	148/098 . Layer conversion
148/038	• Diffusions-staged	148/099 . LED, multicolor
148/039	Displace P-N junction	148/10 . Lift-off masking
148/04	• Dopants, special	148/101 . Liquid Phase Epitaxy, LPE
148/041	 Doping control in crystal growth 	148/102 . Mask alignment
148/042	. Doping, graded, for tapered etching	148/103 . Mask, dual function, e.g. diffusion and oxidation
148/043	• Dual dielectric	148/104 . Mask, movable
148/044	. Edge diffusion under mask	148/105 . Masks, metal
148/045	• Electric field	148/106 . Masks, special
148/046	• Electron beam treatment of devices	148/107 . Melt
148/047	• Emitter dip	148/108 • Melt back
148/048	• Energy beam assisted EPI growth	148/109 Memory devices
148/049	 Equivalence and options 	148/11 . Metal-organic CVD, ruehrwein type
148/05	• Etch and refill	148/111 • Narrow masking
		-
148/051	• Etching	, , ,
148/052	• Face to face deposition	148/113 Nitrides of boron or aluminum or gallium
148/053	• Field effect transistors fets	148/114 Nitrides of silicon
148/054	• Flat sheets-substrates	148/115 . Orientation
148/055	. Fuse	148/116 • Oxidation, differential
148/056	• Gallium arsenide	148/117 . Oxidation, selective
148/057	. Gas flow control	148/118 . Oxide films
148/058	. Ge germanium	148/119 . Phosphides of gallium or indium
148/059	. Germanium on silicon or Ge-Si on III-V	148/12 • Photocathodes-Cs coated and solar cell
148/06	• Gettering	148/121 • Plastic temperature
148/061	. Gettering-armorphous layers	148/122 . Polycrystalline
148/062	• Gold diffusion	148/123 . Polycrystalline diffuse anneal
148/063	• Gp II-IV-VI compounds	148/124 . Polycrystalline emitter
148/064	• Gp II-VI compounds	148/125 Polycrystalline passivation
		J - J

Metal treatment

148/126	• Power FETs	148/
148/120	Process induced defects	148/
148/128	 Proton bombardment of silicon 	110/
148/129	• Pulse doping	
148/13	• Purification	<u>Explos</u>
148/131	• Reactive ion etching rie	149/
148/132	Recoil implantation	149/
148/133	• Reflow oxides and glasses	149/
148/134	• Remelt	149/
148/135	• Removal of substrate	149/
148/136	• Resistors	149/
148/137	• Resists	149/
148/138	• Roughened surface	149/
148/139	. Schottky barrier	149/
148/14	Schottky barrier contacts	149/
148/141	. Self-alignment coat gate	149/
148/142	. Semiconductor-metal-semiconductor	149/
148/143	• Shadow masking	149/
148/144	• Shallow diffusion	149/
148/145	• Shaped junctions	149/
148/146	• Sheet resistance, dopant parameters	149/
148/147	• Silicides	
148/148	• Silicon carbide	Purses
148/149	Silicon on III-V Silicon on complian SOS	<u>1 ui ses</u>
148/15 148/151	 Silicon on sapphire SOS Simultaneous diffusion 	150/
148/151	 Single crystal on amorphous substrate 	150/9
148/152	 Solar cells-implantations-laser beam 	1 = 0 /
148/153	 Solid phase epitaxy 	150/9
148/155	Solid solubility	Resilie
148/156	• Sonos	<u>resinc</u>
148/157	• Special diffusion and profiles	152/
148/158	• Sputtering	152/0
148/159	• Strain gauges	152/0
148/16	. Superlattice	152/
148/161	• Tapered edges	152/0
148/162	• Testing steps	152/
148/163	• Thick-thin oxides	152/0 152/0
148/164	Three dimensional processing	152/
148/165	Transmutation doping	152/
148/166	. Traveling solvent method	152/
148/167	. Two diffusions in one hole	152/
148/168	• V-Grooves	152/
148/169	• Vacuum deposition, e.g. including molecular beam	152/
140/17	epitaxy Varar liquid colid	152/
148/17 148/171	Vapor-liquid-solid Varistor	152/
148/171	· Vidicons	152/
148/172	• Washed emitter	152/
148/173	. Zener diodes	152/
148/90	. Ion implanted	152/
148/901	 Surface depleted in an alloy component, e.g. 	152/2
	decarburized	152/9
148/902	• having portions of differing metallurgical properties	
	or characteristics	152/
148/903	. Directly treated with high energy electromagnetic	132/2
1.10.000	waves or particles, e.g. laser, electron beam	
148/904	. Crankshaft	152/9
148/905	• • Cutting tool	
148/906	Roller bearing element Three ded on bearded for terms	
148/907	Threaded or headed fastener	
148/908	Spring	

148/909	Tube
148/91	• • in pattern discontinuous in two dimensions, e.g.
	checkerboard pattern
Explosive ar	nd thermic compositions or charges
149/00	Explosive and thermic compositions or charges
149/11	• Particle size of a component
149/111	Nitrated organic compound
149/112	. Inorganic nitrogen-oxygen salt
149/113	. Inorganic oxygen-halogen salt
149/114	Inorganic fuel
149/115	Organic fuel
149/116	• Flare contains resin
149/117	• Smoke or weather composition contains resin
149/118	• Gel contains resin
149/119	Oxidizer compounds
149/12	• High energy fuel compounds
149/121	Containing B, P or S
149/122	• • Containing N, without B, P or S
149/123	• Tagged compositions for identifying purposes
149/124	. Methods for reclaiming or disposing of one or more
	materials in a composition
Purses, wall	ets, and protective covers
150/00	Purses, wallets, and protective covers
150/90	• Means biasing mouth in open or closed
150/901	configuration insulating flaccid cover
150/901	• Instituting fraceid cover
Desiliont tire	or and wheals
<u>Resilient tire</u>	es and wheels
<u>Resilient tire</u> 152/00	Resilient tires and wheels
152/00 152/01	Resilient tires and wheels . Pebble ejectors
152/00	Resilient tires and wheels Pebble ejectors Static discharge
152/00 152/01 152/02 152/03	Resilient tires and wheelsPebble ejectorsStatic dischargeSlits in threads
152/00 152/01 152/02 152/03 152/04	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant
152/00 152/01 152/02 152/03 152/04 152/05	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled
152/00 152/01 152/02 152/03 152/04 152/05 152/06	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16 152/17	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16 152/17 152/18	Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16 152/17 152/18 152/19	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers
$\begin{array}{c} \textbf{152/00} \\ 152/01 \\ 152/02 \\ 152/03 \\ 152/04 \\ 152/05 \\ 152/06 \\ 152/07 \\ 152/08 \\ 152/09 \\ 152/10 \\ 152/11 \\ 152/12 \\ 152/13 \\ 152/14 \\ 152/15 \\ 152/16 \\ 152/17 \\ 152/18 \\ 152/19 \\ 152/20 \end{array}$	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers Rims for inverted bead tires
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16 152/17 152/18 152/19	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers Rims for inverted bead tires Tread pattern having no blocks and having
$\begin{array}{c} \textbf{152/00} \\ 152/01 \\ 152/02 \\ 152/03 \\ 152/04 \\ 152/05 \\ 152/06 \\ 152/07 \\ 152/08 \\ 152/09 \\ 152/10 \\ 152/11 \\ 152/12 \\ 152/13 \\ 152/14 \\ 152/15 \\ 152/16 \\ 152/17 \\ 152/18 \\ 152/19 \\ 152/20 \end{array}$	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers Rims for inverted bead tires Tread pattern having no blocks and having circumferential ribs defined by zig-zag
152/00 152/01 152/02 152/03 152/04 152/05 152/06 152/07 152/08 152/09 152/10 152/11 152/12 152/13 152/14 152/15 152/16 152/17 152/18 152/19 152/20 152/90	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers Rims for inverted bead tires Tread pattern having no blocks and having circumferential grooves
$\begin{array}{c} \textbf{152/00} \\ 152/01 \\ 152/02 \\ 152/03 \\ 152/04 \\ 152/05 \\ 152/06 \\ 152/07 \\ 152/08 \\ 152/09 \\ 152/10 \\ 152/11 \\ 152/12 \\ 152/13 \\ 152/14 \\ 152/15 \\ 152/16 \\ 152/17 \\ 152/18 \\ 152/19 \\ 152/20 \end{array}$	 Resilient tires and wheels Pebble ejectors Static discharge Slits in threads Crack resistant Water filled Peg leg Rubber valves Clamps Bead to rim seal Split rim seal Tubeless valves White sidewalls Valves stem guards Fabrics Overlap Air impermeable liner Grooved rim Hub tires Sandwich breakers Rims for inverted bead tires Tread pattern having no blocks and having circumferential ribs defined by zig-zag

Resilient tires and wheels

152/903	• Non-directional tread pattern having non- circumferential transverse groove following smooth curved path
152/904 152/905	 Specified tread pattern for front tyre and rear tyre Tread composition
	ding and miscellaneous chemical manufacture
	-
156/00	Adhesive bonding and miscellaneous chemical manufacture
156/906	• Off-drum manufacture of tire fabric or ply
156/907	• including assembly of bias-cut fabric
156/908	. Laminating sheet to entire edge of block and both
	adjacent opposite surfaces, e.g. bookbinding
156/909	• Apparatus for applying new tread to used tire
156/91	casing, e.g. retreading, recappingBonding tire cord and elastomer: improved adhesive
130/91	system
156/912	• Differential etching apparatus having a vertical tube
	reactor
156/913	Differential etching apparatus having a horizontal
150014	tube reactor
156/914	Differential etching apparatus including particular materials of construction
156/915	Differential etching apparatus including focus ring
	surrounding a wafer for plasma apparatus
156/916	Differential etching apparatus including chamber
	cleaning means or shield for preventing deposits
156/917	Differential etching apparatus having a barrel reactor
156/918	Delaminating processes adapted for specified
150/210	product, e.g. delaminating medical specimen slide
156/919	• Delaminating in preparation for post processing
	recycling step
156/92	• • • Textile delaminating in preparation for
156/921	recycling, e.g. carpetDelaminating container component in
130/921	preparation for recycling, e.g. glass bottle,
	plastic bottle
156/922	Specified electronic component delaminating in
	preparation for recycling
156/923	Delaminating wire or optical fiber laminate, e.g. coaxial cable, optical cable
156/924	• • • Delaminating display screen, e.g. cathode-
156/925	ray, LCD screen Delaminating display screen using
150/925	sintering for delamination
156/926	Delaminating recording media, e.g. DVD, CD,
	HD, flash memory
156/927	• • • Delaminating vehicle component, e.g. brake
156/928	pad •••• Delaminating tire, e.g. tread from carcass
156/928	Delaminating component from building, e.g. wall
150/22	paper, shingle
156/93	• • Semiconductive product delaminating, e.g.
	delaminating emiconductive wafer from
150/021	underlayer
156/931	• • Peeling away backing
156/932	with poking during delaminating, e.g. jabbing release sheet backing to remove
	wafer
156/934	· Apparatus having delaminating means adapted for
	delaminating a specified article
156/935	Delaminating means in preparation for post consumer recycling

156/936	• • Means for delaminating container component in preparation for recycling, e.g. glass bottle, plastic bottle	
156/937	Means for delaminating specified electronic component in preparation for recycling	
156/938	• • • Means for delaminating record media for recycling, e.g. CD, DVD, HD, flash memory	
156/939	• • Means for delaminating vehicle component, e.g. tread from carcass, brake pad	
156/94	• • Means adapted for delaminating component from building, e.g. wall paper, shingle	
156/941	Means for delaminating semiconductive product	
156/942	• • • with reorientation means	
156/943	• • • with poking delaminating means, e.g. jabbing	
	means	
Concentrating evaporators		
159/00	Concentrating evaporators	
159/01	• Electric heat	
159/02	• Entrainment	
159/03	• Fluidized bed	
159/04	• Foam	
159/05	• Freezing	
159/06	. Infrared	
159/07	• Magnetic coupling	
159/08	• Multieffect or multistage	
159/09	• Two liquids dried simultaneously	
159/10	• Organic	
159/11	• Biologicals	
159/12	. Radioactive	
159/13	• Scale	
159/14	. Soap	
159/15	. Special material	
159/16	• Vacuum	
159/17	• Two liquids	
159/18	• Accumulator	
159/19	. Acid	
159/20	• Additive	
159/21	• Coating	
159/22	Condensate flashing	
159/23	• Cooling	
159/24	• Critical	
159/25	. Decant, press, centrifuge	
159/26	Electric field	
159/27	Micropores	

- 159/27 . Micropores
- 159/28 Porous member
- 159/29 Pebble bed
- 159/30 Desuper heating
- 159/31 Deaeration
 - Indirect heat exchange
 - Two liquids, one a heat carrier
 - . Caustic

159/32

159/33 159/34

- 159/35 Viewports, peepsights, and sightglasses
- 159/36 . Rabbled hearth
- 159/37 . Ported
- 159/38 . Seed
- 159/39 Power plant
- 159/40 . Pumps
- 159/41 . Removable units
- 159/42 . Seals
- . using vibratory force
- 159/901 . Promoting circulation

159/902	• using natural heat	162/904	• with specified seam structure of papermaking belt
159/903	Solar		
159/904	••• Floating solar still	<u>Metal found</u>	ing
159/905	. Sewage treatment	164/00	Metal founding
159/906	. Wick	164/01	• Battery
		164/02	• Bearing
<u>Flexible or p</u>	oortable closure, partition, or panel	164/03	Centrifugal
160/00	Flexible or portable closure, partition, or panel	164/04	• Dental
160/01	• Auto radiator screens	164/05	• Electron beam
160/02	• Auto screens and miscellaneous	164/06	. Ingot
160/03	• Auto visors and glare shields	164/07	• Melt
160/04	• Auto side awnings	164/08	• Piston
160/05	• Awning head and front bars	164/09	• Piston-vacuum
160/06	• Bath curtains	164/10	• Rotor
160/07	• Fabric	164/11	• Slush
160/08	• Flexible door	164/12	. Thermit
160/09	. Fireplace screen	164/13	. Valve
160/10	. Roll screen	164/14	. Wheel
160/11	• Roll screen idler roll	164/15	Precision casting
160/12	• Overlapping, on windows	164/90	• Rheo-casting
160/13	• Suction cup		C
160/14	• Step joints	<u>Heat exchan</u>	<u>ge</u>
160/15	• Web-to-tube fasteners	165/00	Heat exchange
160/16	• Magnetic	165/001	• with alarm, indicator, recorder, test, or inspection
160/17	• Venetian blinds, motor driven	105/001	means
160/18	. Zipper	165/002	• Energy, efficiency, performance or malfunction
160/19	• Storm sash	165/003	Remote control inspection means
160/90	• Vertical type venetian blind	165/004	• • Sight glass
160/901	. Lazy-tong connected plural strips, slats, or panels	165/005	• Fluid level or amount
160/902	• Venetian blind type bracket means	165/006	Temperature
160/903	• Roll type bracket means	165/007	. Flow or valve position
160/904	. Electric or pneumatic awning operator	165/008	. Leakage
160/905	 Lazy-tong-link awning operator 	165/009	• having a solid heat storage mass for absorbing
160/906	Screw-threaded awning operator		heat from one fluid and releasing it to another, i.e.
160/907	• Spring, other than spring roller, awning operator		regenerator
160/908	Strand awning operator	165/01	Cleaning storage mass
160/909	• • Endless strand	165/011	Reciprocating cleaner device, e.g. scraper,
160/91	• • Drum wound strand		sprayer
160/911	• Worm gear awning operator	165/012	Spray nozzle cleaner
160/912	 Rack-and-pinion awning operator 	165/013	Movable heat storage mass with enclosure
160/913	Gear awning operator	165/014	Reciprocated linearly
		165/015	• • • with pump
<u>Paper makir</u>	ng and fiber liberation	165/016	Rotary storage mass
162/00	Paper making and fiber liberation	165/017	with thermal expansion compensating means
162/02	. Chip soaking	165/018	\cdot \cdot \cdot having means controlling direction or rate of
162/03	• Wetting agent	1	flow
162/04	• Pitch control	165/019	Plate type shutter associated with face of

162/05

162/06

162/07

162/08

162/09

162/10

162/11

162/12

162/90

162/901

162/902

162/903

. Seasoning

•

•

. Alpha cellulose

. Moisture and basic weight

. Water collectors, e.g. save-alls

. Uses for paper making sludge

Papermaking press felts

forming member

. Chlorine-containing liquid regeneration

. . . Wet end paper making variables

. . Computer control of paper making variables

Impermeable belts for extended nip press

Woven fabric for papermaking drier section

. Paper forming member, e.g. fourdrinier, sheet

storage mass

storage mass

. . . . Brush-type seal

mass

mass

. . . Circumferential seal

. . . . Heat resistant material seal

movable

.

. . . Seal and seal-engaging surface are relatively

. . . . Seal defining sector-shaped flow area

. . . . Seal attached to and rotating with storage

. . . . with particular rotary bearing or drive means

. . . . Ring gear surrounding cylindrical storage

Seal engaging a face of cylindrical heat

165/02

165/021

165/022

165/023

165/024

165/025

165/026

165/027

165/029	• • • Cylindrical storage mass with axial flow passages	165/074	Ag
165/03	• Mass formed of modules arranged in three dimensional matrix, i.e. checkerwork	165/075	•••• Ag
165/031	• • Gradated flow area, heat capacity or conductivity	165/076	 with sci transfer
165/032	•••• having gas supply or exhaust manifold	165/077	Screv
	structure	165/078	Linea
165/033	• • • • with flow control device, i.e. valve	165/079	Re
165/034	•••• with flow distributing baffle	165/08	Plura
165/035	in casing	165/081	Rota
165/036	Distinct passages formed in individual modules		heat o
165/037	• • having flow diverting means, e.g. valve to	165/082	•••• Gr
	selectively control flow through storage mass	165/083	•••• Sci
165/038	Correlated control of plural diverting means	165/004	hea
165/039	Synchronously rotated flow guiding hoods disposed on opposite sides of fixed regenerator	165/084	••• Sci coi sur
165/04	Linearly movable diverting means	165/085	Sci
165/041	Rotary diverting means		exc
165/042	• Particular structure of heat storage mass	165/086	We
165/043	Element for constructing regenerator rotor	165/087	Sp
165/044	• having flexible heat exchange surface conforming to	165/088	Ad
	a solid structure, e.g. applicator	165/089	for
165/045	Conform to head, neck, or face	165/09	Sci
165/046	• • Heat exchange body suit		suţ
165/047	• • for cooling	165/091	• • • for
165/048	Electrical component	165/092	• with va
165/049	Or for heating		fluid flo
165/05	including a pump or valve	165/093	• • Adju
165/051	 having expansion and contraction relieving or 	1.65/00.4	adjus
	absorbing means	165/094	•••• Wi
165/052	• for cylindrical heat exchanger	165/095	•••• Re
165/053	Flexible or movable header or header element	165/096	•••• Piv
165/054	Movable header, e.g. floating header	165/097	••••
165/055	including guiding means for movable	165/098	
165/056	header	105/070	• • • • •
103/030	Fluid sealing means between movable header and enclosure		
165/057	Flexing tubesheet	165/099	
165/058	Movable tubesheet, e.g. floating tubesheet	165/10	Flow
165/059	Tubesheet connected to enclosure by	165/101	for co
165/06	 expansion joint Expandable casing for cylindrical heat 		flowi excha
105/00	exchanger	165/102	Ну
165/061	for plural cylindrical heat exchangers		flu
165/062	having particular external casing support	165/103	••••
	means	165/104	Ну
165/063	Cylindrical heat exchanger fixed to fixed end		sec
	supports	165/105	(
165/064	including intermediate support	165/106	• • • • `
165/065	Bent cylindrical heat exchanger	165/107	• • • • •
165/066	••••• Coiled	165/100	
165/067	Cylindrical heat exchanger rectilinearly slidable relative to its support	165/108 165/109	• • • • • • • • • • • • • • • • • • •
165/068	including fluid seal	165/11	section
165/069	Pivotal support for cylindrical heat exchanger	165/11	••• By
165/07	Resilient fluid seal	103/111	••••
165/071	Resilient fluid seal for plate-type heat exchanger	165/112	
165/072	• Agitator or impeller motor operated by first heat	103/112	• • • • •
165/072	exchange fluid	165/113	1
165/073	To agitate or move second heat exchange fluid	165/114	

165/074	• • Agitator structure confines first heat exchange fluid
165/075	• • Agitator structure confines second heat exchange fluid
165/076	 with scraper for removing product from heat transfer surface
165/077	Screw shaped scraper
165/078	Linearly operated scraper
	Reciprocated linearly
165/079	· ·
165/08	. Plural scrapers for spaced shelves or chambers
165/081	• Rotary heat exchange scraper or scraper for rotary heat exchange surface
165/082	Grooved drum surface
165/083	Scraper attached to or formed part of rotary heat exchange fluid surface
165/084	Scraper within annular space formed by
	concentric cylinders or concentric conical surfaces
165/085	Scraper for cleaning inner surface of rotary heat
165/086	exchange surface •••• Weight operated scraper
165/087	Spring pressed scraper
165/088	Adjustable scraper
165/089	for scraping flat horizontal surface
165/09	Scraper blade movable relative to scraper blade
	support, e.g. pivoting blade, rocking blade
165/091	for scraping wall of cylindrical heat exchanger
165/092	• with valve or movable deflector for heat exchange fluid flow
165/093	• Adjustable radiator face covering means, e.g. adjustable shield for car radiator, heater core
165/094	Windowshade type, i.e. sheet feeds off roller
165/095	Rectilinear sliding movement of adjustable cover
165/096	Pivotal movement of adjustable cover
165/097	• • • Plural parallel pivotable shutters
165/098	One shutter section having different flow
	area or flow direction with another shutter section
165/099	••••• with fan
165/10	. Flow direction reversed through heat exchanger
165/101	• • for controlling supply of heat exchange fluid
	flowing between hydraulically independent heat exchange sections
165/102	• • • Hydraulically independent single-confined- fluid radiator sections for heating ambient air
165/103	Valves each controls a radiator section
165/104	Hydraulically independent heat exchange sections connected in parallel
165/105	Correlated valves
165/106	••••••••••••••••••••••••••••••••••••••
165/107	Hydraulically independent heat exchange
	tubes disposed in housing, e.g. tank, casing
165/108	
165/109	• with by-pass of heat exchanger or heat exchanger section
165/11	Bypass within or surrounds heat exchanger
165/111	Heat exchanger enclosing a fluid conduit confining second heat exchange fluid
165/112	••••• Stove pipe drum having air draft passage for heating ambient air
165/113	Bypass centrally located in heat exchanger
165/114	having perforated wall

165/115	Surrounding by a helical flow channel
165/116	• • • • Plural adjacent flow channel parallel to central bypass
165/117	• • • • • • Arranged for series flow therethrough
165/117	Serpentine heat exchange flow path
165/119	Bypass controlled by pivotal damper
165/119	U or serpentine heat exchange flow path
165/12	Serpentine heat exchange flow path
165/121	U heat exchange flow path and linear bypass
165/122	Heat exchange flow path through heat exchanger
103/123	altered, e.g. crossed
165/124	Stove pipe drum
165/125	Valve mounted on fixed deflector
165/126	• • Total flow rate through heat exchanger controlled by valve
165/127	Stove pipe drum
165/128	including air draft passage for heating ambient air
165/129	• • Valve regulates flow through housing enclosing
	heat exchanger
165/13	including valve regulating flow through heat exchanger
165/131	• • • Single-confined-fluid radiator for heating ambient air
165/132	• with adjustor for heat flow
165/133	Conduction rate
165/134	••• by varying thickness of conductive layer, e.g.
165/125	air gap
165/135	• Movable heat exchanger
165/136	• Movable belt or strip transfers heat to or from objects or material thereon
165/137	. Unconstrained movement, e.g. float
165/138	• Partially rotable, e.g. rocking, pivoting, oscillation, tilting
165/139	• • Fully rotatable
165/14	Rotating heat exchanger having rotating flow
	confining structures or chambers for two separate heat exchange fluids
165/141	Concentric flow confining structures or
	chambers
165/142	Jacketed shell
165/143	Discrete tubing having length extending along a longitudinal axis of rotating heat
165/114	exchanger
165/144	Helical
165/145	••• Radially extending hollow arm on rotating shaft traverses furnance shelf, e.g. rabble arm
165/146	Angled blade suspended from arm for advancing material
165/147	Fluid impeller or material advancer
165/148	Auger
165/149	having hollow blade
165/15	Radial or axial impeller
165/151	having hollow blade
165/152	Rotating agitator
165/152	Flow space or fluid chamber defined
	between two relatively movable, closely spaced coextensive surfaces
165/154	Hollow tubing rotates in vessel to stir
100/104	contents
165/155	••••••••••••••••••••••••••••••••••••••
165/156	• • • Hollow cylindrical member, e.g. drum

	cylinder
165/158	having stationary material removal means
165/159	•••• with particular flow path or defined fluid
	chamber, e.g. annulus, spiral
165/16	Concentric shells define annular flow
	space
165/161	••••• with means defining particular flow
165/160	path, e.g. baffle
165/162	• Only direct-contact heat exchange between two separately supplied fluids
165/163	 including a means to form fluid film on heat transfer
105/105	surface, e.g. trickle
165/164	• Film flow constrained to spiral path
165/165	 Film formed on spirally coiled member
165/166	• Vertically spaced pipe sections contact liquid in
	underlying troughs
165/167	Liquid film flows sequentially along upper
	surfaces of vertically spaced trays, i.e. shelf-to-
	shelf
165/168	. Film formed on interior surface of container or
	pipe
165/169	inside of vertical pipe
165/17	Distributor "cap" mounted in top end of pipe
165/171	• including means at top end of vertical pipe to
165/172	distribute liquid film on pipe exteriorFilm flows along exterior of plural pipe sections
165/172	Prim nows along exterior of plural pipe sections Pipe exterior surfaces about to form continuous
103/1/3	surface
165/174	Intervening members extend between spaced
105/174	pipe sections to form continuous surface
165/175	• • Horizontally extending, parallel sections
	disposed in vertical array, i.e. one pipe directly
	above another
165/176	with means suspended beneath pipe surface
	to guide liquid droplets
165/177	• Film flows along upper surface of tray
165/178	Parallel corrugated vertical sheets formed fluid
165/170	passage therebetween
165/179	Container enclosed by casing
165/18	Vertically disposable elongated member
165/181 165/182	 Horizontally disposable elongated member Indirect-contact cooling tower
165/182	 Indirect-contact cooling tower Indirect-contact evaporator
165/183	Indirect-contact evaporator Indirect-contact condenser
165/185	 having stacked plates forming flow channel
105/105	therebetween
165/186	• • • Stacked plates surrounded by housing
	confining another fluid
165/187	having pump downstream of condenser
165/188	Pump to remove only uncondensed vapor or air
165/189	From a first-stage direct-contact condenser
165/19	including second-stage indirect-contact
	condenser
165/191	including second-stage direct-contact
1 < 5 (1 > 5	condenser
165/192	• including means to heat collected condensate
165/193	• First-stage condenser serially connected to
165/104	second-stage condenser
165/194 165/195	 First stage direct-contact condenser including condensate collecting tray connected
103/193	including condensate collecting tray connected to condensate drain conduit to divert condensate
	around a section of heat transfer surface

. . . Fluid sprayed onto surface of rotatable

cylinder

165/196	. Baffle defines flow passage within header for
	condensate to bypass portion of vapor flow path
165/197	• including means for removing condensate from
105/17/	vapor flow path to bypass portion of vapor flow
	path
165/109	-
165/198	Condensate guiding means attached to heat transfer surface
165/199	• • • Heat transfer tube surrounds by jacket
	condensate guiding means
165/20	Condensate guiding means forms inside heat
	transfer tube
165/201	including fin member associated with
100/201	condensate guiding means
165/202	• Vapor flow passage between vapor inlet and
105/202	outlet has decreasing cross- sectional area
165/202	-
165/203	Coolant tubes arranged in groups to form vapor
	flow lanes of decreasing cross-sectional area
165/204	including a direct-contact heat exchange chamber
165/205	Space for condensable vapor surrounds space for
	coolant
165/206	including coiled heat exchange tube
165/207	Distinct outlets for separated condensate and
105/207	gas
165/200	-
165/208	including vapor guide plate extending across
	vapor inlet
165/209	including tube banks arranged in undulating
	pattern, e.g. w shape
165/21	including perforated baffle completely
	surrounding a group of coolant tube
165/211	including concave member adjacent to vapor
	outlet and partially covering a group of
	coolant tubes
165/212	including inclined flat condensate guiding
105/212	means
165/213	
103/213	including baffle partially covering a group of
	coolant tubes
165/214	including baffle structure for reversing flow
	direction of vapor
165/215	having longitudinal partition extending parallel
	to longitudinal axis of coolant tube
165/216	having partition transverse to longitudinal axis
	of coolant tube
165/217	• • Space for coolant surrounds space for vapor
165/218	Condensor adapted to cover opening at top of
100/210	vapor generator
165/219	
165/22	U-shaped or spur tubes connected to adjacent
	inlet and outlet headers
165/221	Vapor is the only confined fluid
165/222	Plural parallel tubes confining vapor
	connecting between spaced headers
165/223	Vapor tube enclosed by coolant confining shell
165/224	• including a means to form a fluid jet
165/225	• with solid conveyor
165/225	-
	Screw conveyor
165/227	• Belt conveyor
165/228	• with fan or pump
165/229	• • Screw conveyor in pipe or tank
165/30	. Injector-type pump
165/301	having nested nozzles
165/302	Rotary gas pump
165/302	
	• • Annular heat exchanger
165/304	Axial impeller

165/305	Located at heat-exchange housing inlet
165/306	Located at heat-exchange housing outlet
165/307	including plural impellers
165/308	Coaxial impellers
165/309	Radial impeller
165/31	• • • Heat exchanger located at housing inlet or
	outlet
165/311	including particular flow deflector, e.g. shroud, diffuser
165/312	• • • Plural parallel deflectors
165/313	Deflector with curved surface
165/314	Radial impeller
165/315	Located at heat-exchange housing inlet
165/316	• • • Axial impeller located at heat-exchange housing inlet
165/317	Axial impeller located at heat-exchange housing outlet
165/318	• with driven agitator
165/319	• • Linearly moving agitator
165/32	• • Fully rotary agitator
165/321	Generating toroidal flow
165/322	• • • including heat exchange jacket-walls
165/323	Heating or cooling coil disposed between
1 (5 (2 2 4	jacket-walls
165/324	Agitator having blade sections mounted along rotating shaft
165/325	Blade sections mounted along rotating shaft
165/326	Agitator and heating or cooling coil disposed in same housing
165/327	. Thermosyphonic having vertical air draft passage
165/328	• Air draft passage confined entirely or in part by
	fin structure
165/329	Corrugated fin attached to heat transfer surface
165/33	• • • Air draft passage is parallel to flow direction of heating or cooling means
165/331	• Air draft passage confined entirely by heat transfer surface
165/332	Coaxial ducts define air draft passage and annular passage for heat exchange fluid
165/333	including baffle
165/334	Baffle located in annular passage
165/335	Plural air draft passages enclosed by casing
165/336	Angled air draft passage
165/337	• Heating or cooling means entirely surrounded by
	air draft passage forming casing
165/338	Nested or concentric members define annular air draft passage and heating or cooling conduit
165/339	with baffle
165/34	including flow baffle in casing
165/341	• • Parallel heating or cooling tubes or tubular sections, e.g. coil, serpentine
165/342	• Tank with heat exchanger
165/343	Heat exchanger forms all or portion of tank
165/344	Spiral coil forms hemispherical vessel
165/345	Jacketed vessel
165/346	Flow baffle or fin in annular flow space
165/347	Heat exchanger forms cover for tank
165/348	• • Heat exchanger within tank
165/349	Supported by cover for tank
165/35	• • • Tubing removably coupled to inlet and outlet at tank wall
165/251	C

. . . Spaced from tank wall

165/352	• • Flow directing baffle associated with heat exchanger tubing
165/353	• • Tube coil bonded directly to tank exterior
	-
165/354	• Heat exchanger serially connected to tank
165/355	• having separate flow passage for two distinct fluids
165/356	Plural plates forming a stack providing flow passages therein
165/357	• • • forming annular heat exchanger
165/358	Radially arranged plates
165/359	including means for modifying thermal stress
	in heat exchange plate
165/36	Stacked plates having plurality of perforations
165/361	Circular flow passages between plates
165/362	Heat exchange liquids separated by double
	walls
165/363	Slotted plates forming grid
165/364	• • • with fluid traversing passages formed through the plate
165/365	including peripheral seal element forming
	flow channel bounded by seal and heat
165/200	exchange plates
165/366	Rigid or semi-rigid peripheral seal frame
165/367	Peripheral seal element between
165/368	corrugated heat exchange plates
103/308	respect to flow direction
165/260	-
165/369	including seal to plate attachment means Unitary heat exchange plate and projecting
165/37	edge
165/371	• • • • • including mating flanges around fluid
105/571	traversing passage
165/372	• • • • Adjacent heat exchange plates having joined
105/572	bent edge flanges for forming flow channels
	therebetween
165/373	Adjacent heat exchange plates having joined
100/070	bent edge flanges for forming flow channels
	therebetween
165/374	• • • • Liquid to air heat exchanger having liquid
	passage formed by joined sheets
165/375	Transverse air tubes
165/376	•••• Air passages defined by spacing
	projections of sheets
165/377	Spacing projections formed by folded
	sheet portions
165/378	••••• including intermediate sheet
	supporting opposed spacing
	projections
165/379	including corrugated air fin passages
	between adjacent liquid passages
165/38	Air fin conforms to joined corrugated
	sheets forming plural liquid chambers
165/381	including air fin apertures
165/382	Overlapping flanges
165/383	Interlocking flanges
165/384	Thermally bonded side edges
165/385	Bent sheet forming a single tube
165/386	To form only air passages
165/387	including side-edge seal or edge spacer bar
165/388	including spacer bar transverse to plate stack
165/389	Flow enhancer integral with side-edge seal or
	edge spacer bar
165/39	Flange element to connect two adjacent heat
	exchange plates

165/391	including intermediate corrugated element
165/392	Unitary heat exchange plate and projecting
	edge
165/393	including additional element between heat
	exchange plates
165/394	Corrugated heat exchange plate
165/395	Monolithic core having flow passages for two
	different fluids, e.g. one- piece ceramic
165/396	Plurality of stacked monolithic cores
165/397	including conduits embedded in monolithic
165/200	block
165/398	• Spirally bent heat exchange plate
165/399 165/40	Corrugated heat exchange plateShell enclosed conduit assembly
165/401	 including tube support or shell-side flow
105/401	director
165/402	• • • • Manifold for shell-side fluid
165/403	••••••••••••••••••••••••••••••••••••••
	thermal shock to tube sheet
165/404	Serially connected separate shells
165/405	Extending in a longitudinal direction
165/406	Helically or spirally shaped
165/407	internal casing or tube sleeve
165/408	Tube sleeve
165/409	including transverse element, e.g. fin,
	baffle
165/41	Movable internal casing connecting to
	transverse element
165/411	Connecting to shell by specific structure
165/412	including transverse element, e.g. fin,
165/410	baffle
165/413	for directing flow along the length of tube
165/414	for supporting coil tubes
165/415	including perforations
165/416	Extending transverse of shell, e.g. fin, baffle
165/417	including spacer or support for transverse tube support or shell-side flow director
165/418	Tubular spacer sleeve
165/419	Spacer or support connected to shell
165/42	
165/421	Disc and donut plates
165/422	Unitary tube support or shell-side flow
100/122	director carried by single tube
165/423	•••• Bar
165/424	forming grid structure
165/425	having ends connected to ring element
165/426	Clamped tube spacer or support
165/427	Manifold for tube-side fluid, i.e. parallel
165/428	including flow director in manifold
165/429	Line-connected conduit assemblies
165/43	Manifolds connected in parallel, e.g.
	multi-stage
165/431	Manifolds connected in series
165/432	including a tube sheet
165/433	Tubes-tubesheet connection
165/434	Plural strips forming tubesheet
165/435	• • • Plural bonded conduit end portions, i.e.
1 6 5 1 4 5 -	tubesheet not needed
165/436	Bent conduit assemblies
165/437	Coiled
165/438	Helical

165/439	• • • Serially connected conduit assemblies, i.e. no	165/479 Tubes joined to tube plate with adhesive, e.g.
	manifold	glue or braze compound
165/44	Coiled conduit assemblies	165/48 Elongated support members extending between spaced manifolds
165/441 165/442	Helical Conduits	165/481 Partitions in manifold define serial flow pattern
165/443	• • • • • • • • • • • • • • • • • • •	for conduits/conduit groups
105/115	e.g. radiator core type	165/482 Partitions are separate members
165/444	including transversely stacked fin sheets	165/483 Flow deflecting/retarding means in header for
165/445	including transverse corrugated fin sheets	even distribution of fluid to plural tubes
165/446	including intermediate sheet between	165/484 Orifices mounted at conduit ends
1 < 5 / 1 4 5	adjacent tubes forming air fin passages	165/485 Unitary, i.e. one-piece header structure
165/447	Corrugated sheet	165/486 Corrugated fins disposed between adjacent conduits
165/448 165/449	Air conduits, e.g. radiator core type Vertically stacked conduits	165/487 Louvered
165/45	including integral abutting or interlocking	165/488 Header is rounded in cross section, e.g.
100/10	elements	circular, oval
165/451	including bent conduits	165/489 Two piece header structure
165/452	• • • including fins	165/49 Noncircular tube cross section, e.g. oval,
165/453	. Plural elements arranged to form a fluid passage	triangular
165/454	• having side-by-side conduits structure or conduit	165/491. Manifolds formed in core-enclosing frame165/492. Plural conduits with ends connected to tube plate
165/455	section	165/493 Welded or fused joint between conduit end and
165/455	Readily detachable tubes having ends with distinct fluid coupling members engaging	plate
	corresponding coupling members on manifold	165/494 Conduit end deformed, e.g. expanded to affix
165/456	Readily and independently detachable sections	to plate
165/457	Individual manifolds for each section	165/495 Single unitary conduit structure bent to form flow
165/458	Self-contained sections hydraulically connected	path with side-by-side sections
	in series	165/496 Spiral or helical coil
165/459	Strips with shaped, interfitted edges form heat exchanger core with plural passages	165/497 Serpentine flow path with straight side-by-side sections
165/46	• • with spacers interposed between adjacent passages	165/498 Fin assembly extends across side-by-side sections
165/461	• Plate fins formed with tubular projections which join with projections of adjacent plates to form	165/499 • with parallel tubes or tube sections having ends joined to opposed frame members
	parallel conduits	165/50 . Side-by-side conduits with fins
165/462	Tapering, nested projections	165/501 Plate fins penetrated by plural conduits165/502 Lanced
165/463 165/464	 Conduits oblong in cross section Conduits formed by joined pairs of matched 	165/503 Angled louvers
103/404	plates	165/504 Contoured fin surface
165/465	••••••••••••••••••••••••••••••••••••••	165/505 Corrugated strips disposed between adjacent
	plates	conduits
165/466	Manifold spaces provided at one end only	165/506 Side-by-side conduits with means, e.g. support
165/467	• • • with turbulence enhancing pattern embossed on	grid holding them in spaced relation
165/469	joined plates	165/507 • Straight side-by-side conduits joined for flow of one fluid
165/468	• Core formed by stack tubular members with abutting edges	165/508 Side-by-side conduits penetrate parallel plate-
165/469	• Reinforcing rod or strip extends across parallel fin	type fins
105/109	edges	165/509 Side-by-side conduits lie in common plane
165/47	• • Tensioning member within manifold	165/51 . having heat exchange surface treatment, adjunct or
165/471	• Plural parallel conduits joined by manifold	enhancement
165/472	U-shaped conduits connected to side-by-side	165/511 . Polished heat transfer surface
1 < 5 (170)	manifolds	165/512 . Coated heat transfer surface
165/473	••• with clamping member at joint between header plate and header tank	165/513 Corrosion resistant
165/474	with compressible seal at joint	165/514. Hydrophilic/hydrophobic coating165/515. Patterned surface, e.g. knurled, grooved
165/475	Header plate and tank of dissimilar materials	165/516 Subsurface pockets formed
165/476	Fusion joint, e.g. solder, braze between tube	165/517 . Roughened surface
	plate and header tank	165/518 . Conduit with discrete fin structure
165/477	Elastic seal element between conduit ends and	165/519 Porous or mesh
	receiving holes in header plate	165/52 Internal and external
165/478	Separate means employed for mechanical	165/521 Pin fins penetrating conduit wall
	attachment and hydraulic seal of conduit ends to header plate	165/522 Transverse fins spaced along conduit

165/523	Separated by integral flanges engaging conduit exterior
165/524	Longitudinally extending
165/525	Helical
165/526	Spine or loop fins
165/527	Integrally formed
165/528	Fin and conduit of diverse materials
165/529	• with structure for promoting turbulence and/or
	breaking up laminar flow adjacent heat transfer surface
165/53	Conduit insert
165/531	• • with wicking structure
165/532	• Heat exchange conduit structure
165/533	Composite of diverse materials
165/534	Concentric layers
165/535	• • Helically formed
165/536	Noncircular cross-section
165/537	Oblong or elliptical
165/538	• • with particular flow connecting structure
165/539	• having a heat storage mass
165/90	Cooling towers
165/901	. Heat savers
165/902	• Heat storage
165/903	• Convection
165/904	• Radiation
165/905	. Materials of manufacture
165/906	. Reinforcement
165/907	• Porous
165/908	• Fluid jets
165/909	. Regeneration
165/91	• Tube pattern
165/911	Vaporization
165/912	Combined or convertible heat exchange modes
165/913	• Condensation
165/914	• Filming
165/915	• Foaming
165/916	• Oil cooler
165/917	 Pressurization and/or degassification
165/918	. Heated and cooled food cabinets and/or trays
165/919	Wheeled
165/92	. Particulate heat exchange
165/921	• Dew point

Wells

166/00 166/901 166/902	WellsWells in frozen terrainfor inhibiting corrosion or coating
<u>Farriery</u>	

168/00

168/00 168/01	Farriery . Nonmetallic	geometry 174/31 . having a shield or metallic layer 174/32 having means for cooling
168/02	02 • Traction shape	

Fire extinguishers

169/00	Fire extinguishers	174/35	• Box or housing mounted on substrate or PCB
169/01	• Floats		
169/02	• Ablative fluids	Weighing sc	<u>cales</u>
169/03	. Trip mechanisms	177/00	Weighing scales
		177/02	Digitizers mechanical
		177/03	Digitizers electrical

Unearthing plants or buried objects

171/00	Unearthing plants or buried objects
171/01	Peanut digger

Earth working

172/00	Earth working
172/90	 Plant thinners

Tool driving or impacting

173/00	Tool driving or impacting	
173/00	• Operable submerged in liquid	
173/02	 Sound muffling 	
173/02	Lubrication	
173/03	Liquid operated	
175/04	• Elquid operated	
Electricity:	conductors and insulators	
174/00	Electricity: conductors and insulators	
174/01	• Anti-tracking	
174/02	• Ballasts	
174/07	Sodium conductors, connectors	
174/08	• Shrinkable tubes	
174/09	. Pull-out cabinet or drawer with retractable cable	
174/10	Bushing with current transformers	
174/11	. Zipper tubes	
174/12	Helical preforms	
174/13	• High voltage cable, e.g. above 10kv, corona	
	prevention	
174/14	• • having a particular cable application, e.g. winding	
174/15	• • in a power generation system, e.g. prime-mover dynamo, generator system	
174/16	• • • in a motive power system, e.g. electric motor	
174/10	control system	
174/17	• • • in an electric power conversion, regulation, or	
1, 1, 1, 1,	protection system	
174/18	• • • in a power distribution network	
174/19	in a dynamo-electric machine	
174/20	Stator	
174/21	Rotor	
174/22	Winding per se	
174/23	• • • in a circuit breaker, relay, or switch	
174/24	in an inductive device, e.g. reactor,	
	electromagnet	
174/25	Transformer	
174/26	• • having a plural-layer insulation system	
174/27	including a semiconductive layer	
174/28	• • • Plural semiconductive layers	
174/29	• • having a semiconductive layer	
174/30	• having insulation with a particular dimension or	
174/21	geometry	
174/31	• having a shield or metallic layer	
174/32	• • having means for cooling	
174/33	• Method of cable manufacture, assembly, repair, or splicing	
174/34	• PCB in box or housing	
174/35	 Box or housing mounted on substrate or PCB 	
Weighing scales		
177/00	Weighing scales	

Weighing scales

177/04	. Digitizers non-sensing
177/05	• Magnets
177/06	. Photoelectric
177/07	 Pneumatic controls
177/08	• RR motion
177/09	 Scale bearings
177/10	. Telemetric
177/11	 Vibrators

Motor vehicles

180/00	Motor vehicles
180/90	Argicultural-type tractors
180/901	Devices for traversing vertical surfaces
180/902	. Shock or vibration absorbing or transmitting means
	between wheel suspension and motor
180/903	. Airstream reactive vehicle or vehicle structure
180/904	Traction dollies for aircraft
180/905	• Axles
180/906	• Adjustable axles
180/907	Motorized wheelchairs
180/908	. Motor vehicles with short wheelbase

Acoustics

181/00	Acoustics
181/40	• Wave coupling
181/401	• • Earth
181/402	• • Liquid
181/403	. Refrigerator compresssor muffler
181/404	• Hobby craft engine muffler

Motors: spring, weight, or animal powered

185/00	Motors: spring, weight, or animal powered
185/01	Spring powered toys
185/02	• foreign digest

Elevator, industrial lift truck, or stationary lift for vehicle

187/00	Elevator, industrial lift truck, or stationary lift for vehicle
187/90	. Temporary construction elevator for building
187/901	. Control modified for use by disabled individual
187/902	• Control for double-decker car

<u>Brakes</u>

188/00	Brakes
188/01	 Panic braking
188/02	• Hill holder
188/03	• Progressive braking

Trunks and hand-carried luggage

190/00	Trunks and hand-carried luggage
190/90	• Brief case type
190/901	Flat opening
190/902	• • with closure flap
190/903	• Zipper

Clutches and power-stop control

192/00	Clutches and power-stop control
192/01	• Removable members
192/02	Universal joint

Conveyors, chutes, skids, guides, and ways

193/00	Conveyors, chutes, skids, guides, and ways
100 101	

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193/01 • Coin chute
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193/02 Indicators, safety devices and signals

Check-actuated control mechanisms

194/00	Check-actuated control mechanisms
194/90	• Parking meter with barrier
194/901	Check-operated toll booth
194/902	. Check-operated device for controlling parking lot
194/903	Check-controlled turnstile
194/904	Check-operated releaser for automobile service equipment
194/905	Shopping cart return
194/906	• Video cassette vendor
Conveyors:	power-driven
<u>Conveyors:</u> 198/00	<u>power-driven</u> Conveyors: power-driven
	-
198/00	Conveyors: power-driven
198/00 198/95	Conveyors: power-driven . Conveyor transverses wall aperture
198/00 198/95 198/951	Conveyors: power-driven . Conveyor transverses wall aperture . Turning cigarettes end-for-end
198/00 198/95 198/951 198/952	Conveyors: power-driven Conveyor transverses wall aperture Turning cigarettes end-for-end Heating or cooling
198/00 198/95 198/951 198/952 198/953	Conveyors: power-driven Conveyor transverses wall aperture Turning cigarettes end-for-end Heating or cooling Coil spring untangling apparatus

- 198/957 . Conveyor material
- 198/958 . Load units counter
- 198/959 . Weighing

Electricity: circuit makers and breakers

200/00	Electricity: circuit makers and breakers
200/02	Body attached switches
200/03	Coin operated
200/04	• High potential type insulation
200/05	• Fluid pressure: fluid amplifier
200/06	• Tie bar
200/07	• Molded drum
200/08	• Disturbance
200/09	• Momentum
200/10	• Curb, bumper and fender
200/11	• Web or thread actuated
200/12	• Burglar screens
200/13	. Shaft bearing and armature wear indicator switches
200/14	• Rail or leak indicator
200/15	• Bin alarm
200/16	• Gas detector
200/17	. Gas engine and motor vehicle
200/18	• Gravity
200/19	• Gyroscope
200/20	 Sound and vibration operated
200/21	• Pencil, counter or dispenser operated
200/22	• Strain relief, shear pin
200/23	. Game
200/24	• Plug holder
200/26	Slack cable operated
200/27	• Thermal magnetic snap
200/28	• Thermal spring snap
200/29	. Ball
200/30	Fluid conductor
200/31	• Fluid flow

200/32	Speed responsive
200/33	Speed synchronizing switch
200/34	Recording and reproducing
200/35	. Weight operated tread/treadless switch
200/36	Light operated switches
200/37	. Hose
200/38	• Money till drawer operated
200/39	. Motor vehicle-steering column
200/40	. Moisture
200/41	Liquid contact
200/42	Contact welding considerations
200/43	Fluid-operated matrix switches
200/44	Lubrication-periodic switches
200/46	. Separators and/or insulators for stacked leaf spring
	contacts
200/47	• Light guides for switch indicators, e.g. prisms,
	reflectors or cables

Distillation: processes, thermolytic

201/00	Distillation: processes, thermolytic
201/42	Particle size
201/43	• An extraneous, cyclically circulated, inert heating
	gas
201/44	 Plural distinct temperature stages
201/45	Distillate treatment or conservation

. Auxiliary internally generated electrical energy

Distillation: apparatus

202/00 Distillation: apparatus

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202/01 . Scale problems digest
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Distillation: processes, separatory

		205/00	Electrolysis: processes, compositions used therein,
203/00	Distillation: processes, separatory		and methods of preparing the compositions
203/01	Solar still	205/915	Electrolytic deposition of semiconductor
203/02	Laboratory distillation	205/916	• Sequential electrolytic and nonelectrolytic, or
203/03	Acrylonitrile		nonelectrolytic and electrolytic coating from the
203/04	• Heat pump		same bath
203/05	• Human waste	205/917	. Treatment of workpiece between coating steps
203/06	Reactor-distillation	205/918	. Use of wave energy or electrical discharge during
203/07	• Start up or shut down		pretreatment of substrate or post-treatment of
203/08	• Waste heat	205/010	coating
203/09	• Plural feed	205/919	• Waterproofing
203/10	• Vinyl acetate	205/92	• Electrolytic coating of circuit board or printed
203/11	Batch distillation	205/021	circuit, other than selected area coating
203/13	• Spirits	205/921	• Electrolytic coating of printing member, other than
203/14	• Ejector-eductor	205/922	selected area coating
203/16	• Combination	203/922	• Electrolytic coating of magnetic storage medium, other than selected area coating
203/17	Saline water conversion	205/923	• Solar collector or absorber
203/18	. Control	205/924	• Electrolytic coating substrate predominantly
203/19	. Sidestream		comprised of specified synthetic resin
203/20	• Power plant	205/925	• Synthetic resin is electrically conductive
203/21	• Acrylic acid or ester	205/926	• Polyamide or polyimide, e.g. nylon
203/22	. Accessories	205/927	• Polyolefin, e.g. polyethylene, polypropylene
203/23	. Methanol	205/928	. ABS copolymer
203/24	• Mobile, marine distiller		
203/25	• Non-distilling bottoms treatment	Special rece	<u>ptacle or package</u>
203/90	• Particular type of heating	206/00	Special receptacle or package
Charrieter	destrict and more energy	206/80	. Chewing gum
<u>Cnemistry:</u>	<u>electrical and wave energy</u>	206/802	 Shirred sausage casing
204/00	Chemistry: electrical and wave energy	206/802	 Emergency, e.g. flare, first aid, survival pack
204/03	Auxiliary internally generated electrical energy	200/005	• Emergency, e.g. mare, mist and, survival pack

206/804

204/04

204/05

204/06

204/07 204/08

204/09

204/12

204/13

204/90

204/901

204/902

204/903

204/904

204/905

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204/912

204/913

204/914

204/03

of preparing the compositions205/00Electrolysis: processes, compositions used therein,

. with means to lift or draw out content

26

Electrolysis: processes, compositions used therein, and methods

. . Only carbon, hydrogen or halogen atom in

. Electrolysis cell combined with fuel cell

. Purification and treatment of electroplating baths

. Effecting a color change by wave energy

• Production of desired compound by wave energy in presence of a chemically designated nonreactant chemical treating agent, excluding water, chloroform, carbon tetrachloride, methylene

. . Inorganic chemical treating agent

. . Silicon or boron treating agent

. Effecting a change in isomerization by wave energy

. Unusual non-204 uses of electrolysis

. Current distribution within the bath

. Magnetic plus electrolytic

. Electrochemical machining

and plating wastes

chloride or benzene

. . . Metal treating agent

. . . Heavy metal agent

. Phosphorus treating agent

. . Heavy metal treating agent

. . Sulfur treating agent

. . Nitrogen treating agent

• • Oxygen treating agent

• • Peroxide agent

treating agent

. AC plus DC

. Wave forms

206/805	• Rubber band	209/919	• Rotary feed conveyor
206/806	• Suspension	209/92	• Vibratory feed conveyor
206/807	. Tamper proof	209/921	. Reciprocating or oscillating feed conveyor
206/809	. X-type	209/922	• Miscellaneous feed conveyors
206/81	· Zipper, i.e. receptacle securement	209/923	. Feed through including at least one endless
206/811	. Waterproof		conveyor
206/812	• Packaged towel	209/924	• Gravity conveyor moving item from separating
206/813	. Adhesive	200/025	station
206/814	• Space filler	209/925	• Driven or fluid conveyor moving item from
206/815	• Finger opening	209/926	separating station Silverware sorter
206/816	• Flexible closure, e.g. sliding desktop type	209/920	Cop sorter
206/817	• Follower	209/927	Container closure sorter
206/818	. Magnet	209/929	. Fastener sorter
206/819	. Material	209/92	 Municipal solid waste sorting
206/82	• Separable, striplike plural articles	209/931	 Materials of construction
206/821	. Stacking member	209/931	Fluid applied to items
206/822	. Special shape	209/932	 Accumulation receiving separated items
206/823	• Cosmetic, toilet, powder puff	209/933	 Moving items to sorting means in spaced relation
206/824	• Tear apertures for roll, strip, or sheet	20)//34	lengthwise of feed path
206/825	. Recoil-type retainer	209/935	• Ambulant
206/828	. Medicinal content	209/936	• Plural items tested as group
206/829	• Vacuum, or suction, cup adjunct	209/937	• Laundry sorting
206/83	Biscuit package	209/938	Illuminating means facilitating visual inspection
206/831	Detachable coupon	209/939	• Video scanning
206/832	Semiconductor wafer boat	209/94	• Noncondition-responsive sorting by contour
206/833	• • Apertured side walls	209/941	• Item carrying bridge raisable to expose discharge
Mineral oils:	processes and products		opening
		209/942	• Operator selects destination of item
208/00	Mineral oils: processes and products		
208/01	• Automatic control	<u>Liquid purif</u>	<u>fication or separation</u>
208/02	Molecular sieve		
		210/00	Liquid purification or separation
208/95	• Processing of "fischer-tropsch" crude	210/00 210/03	Liquid purification or separation Belt alignment
	Processing of "fischer-tropsch" crudeSolid feed treatment with a gas other than air,	210/00 210/03 210/05	• Belt alignment
208/95 208/951	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam 	210/03	Belt alignmentCoalescer
208/95	Processing of "fischer-tropsch" crudeSolid feed treatment with a gas other than air,	210/03 210/05	• Belt alignment
208/95 208/951 208/952	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions 	210/03 210/05 210/06	Belt alignmentCoalescerDehydrators
208/95 208/951 208/952 <u>Classifying, s</u>	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions 	210/03 210/05 210/06 210/07	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer
208/95 208/951 208/952 <u>Classifying, s</u> 209/00	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids 	210/03 210/05 210/06 210/07 210/08	Belt alignmentCoalescerDehydratorsDrier blocks
208/95 208/951 208/952 <u>Classifying, s</u> 209/00 209/90	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail 	210/03 210/05 210/06 210/07 210/08 210/09	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper 	210/03 210/05 210/06 210/07 210/08 210/09 210/13	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/905	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/902	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing
208/95 208/951 208/952 Classifying.s 209/00 209/90 209/901 209/902 209/903 209/904 209/905 209/906	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/901 210/903 210/904 210/905	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/905 209/905 209/906 209/907	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/902 210/903 210/904 210/905 210/906	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/904 209/905 209/906 209/907 209/908	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/902 210/903 210/904 210/905 210/906 210/907	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Phosphate slimes
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/905 209/905 209/906 209/907	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/901 210/903 210/904 210/905 210/906 210/907 210/908	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Phosphorus containing Phosphate slimes Organic
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/904 209/905 209/906 209/907 209/908 209/909	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/901 210/902 210/903 210/904 210/904 210/905 210/906 210/907 210/908 210/909	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing . Phosphate slimes Organic Aromatic compound, e.g. pcb, phenol
208/95 208/951 208/952 Classifying.s 209/00 209/90 209/901 209/902 209/903 209/904 209/904 209/905 209/906 209/907 209/908 209/909	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed hopper 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/901 210/902 210/903 210/904 210/905 210/906 210/907 210/908 210/909 210/91	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing . Phosphate slimes Organic Nonbiodegradable surfacant
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/904 209/905 209/906 209/907 209/908 209/909	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/901 210/902 210/903 210/904 210/904 210/905 210/906 210/907 210/908 210/909 210/91	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison
208/95 208/951 208/952 Classifying.s 209/00 209/90 209/901 209/903 209/903 209/904 209/905 209/906 209/907 209/908 209/909 209/91	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed hopper 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/901 210/903 210/904 210/905 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/912	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison Heavy metal
208/95 208/951 208/952 Classifying.s 209/00 209/90 209/901 209/902 209/903 209/903 209/904 209/905 209/906 209/907 209/908 209/909 209/909 209/91 209/911	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/902 210/903 210/904 210/905 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/913	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Aromatic compound, e.g. pcb, phenol Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium
208/95 208/951 208/952 Classifying.s 209/00 209/90 209/901 209/902 209/903 209/903 209/904 209/905 209/906 209/907 209/908 209/909 209/909 209/91 209/911	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor with means for holding each 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/901 210/902 210/903 210/904 210/905 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/912 210/913 210/914	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium Mercury
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/903 209/904 209/905 209/906 209/907 209/908 209/908 209/909 209/91 209/911 209/912	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor with means for holding each item individually 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/900 210/901 210/903 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/913 210/914 210/915	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Phosphorus containing Phosphotus containing Organic Aromatic compound, e.g. pcb, phenol Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium Mercury Fluorine containing
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/903 209/904 209/905 209/905 209/906 209/907 209/908 209/909 209/909 209/91 209/911 209/912 209/913	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Froth flotation; phosphate Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor Diverse sequential feeding steps Centrifugal feeder 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/17 210/90 210/900 210/901 210/903 210/904 210/904 210/905 210/906 210/907 210/908 210/907 210/908 210/909 210/91 210/911 210/913 210/914 210/915 210/916	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Aromatic compound, e.g. pcb, phenol Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium Mercury Fluorine containing Odor, e.g. including control or abatement
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/903 209/904 209/905 209/906 209/907 209/908 209/907 209/908 209/909 209/91 209/911 209/912 209/913 209/914	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Freeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor Diverse sequential feeding steps Centrifugal feeder Reciprocating pusher feeding item 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/900 210/903 210/904 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/911 210/915 210/916 210/917	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium Mercury Fluorine containing Odor, e.g. including control or abatement Color
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/905 209/906 209/907 209/908 209/907 209/908 209/909 209/91 209/911 209/912 209/913 209/914 209/915	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Freder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed nopper Feed nopper Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor Diverse sequential feeding steps Centrifugal feeder Reciprocating pusher feeding item 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/900 210/900 210/903 210/904 210/905 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/911 210/915 210/916 210/917 210/918	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison Heavy metal - Chromium Mercury Fluorine containing Odor, e.g. including control or abatement Color Miscellaneous specific techniques
208/95 208/951 208/952 Classifying, s 209/00 209/90 209/901 209/902 209/903 209/904 209/905 209/904 209/905 209/906 209/907 209/908 209/907 209/908 209/909 209/91 209/911 209/912 209/913 209/914 209/915 209/916	 Processing of "fischer-tropsch" crude Solid feed treatment with a gas other than air, hydrogen or steam Solid feed treatment under supercritical conditions Separating, and assorting solids Classifying, separating, and assorting solids Sorting flat-type mail Froth flotation; copper Freeder conveyor having opposed grippers Feeder conveyor holding item by magnetic attraction Feeder conveyor holding item by suction Pneumatic or liquid stream feeding item Magnetic feeder Item fed by free fall Item holding feed magazine insertable in sorting apparatus Feed means supporting or guiding item moving under influence of gravity Endless feed conveyor Diverse sequential feeding steps Centrifugal feeder Reciprocating pusher feeding item 	210/03 210/05 210/06 210/07 210/08 210/09 210/13 210/90 210/900 210/900 210/903 210/904 210/904 210/905 210/906 210/907 210/908 210/909 210/91 210/911 210/911 210/915 210/916 210/917	 Belt alignment Coalescer Dehydrators Drier blocks Fat fryer Floating cover Part flow-full flow Twist-on Ultra pure water, e.g. conductivity water Specified land fill feature, e.g. prevention of ground water fouling Materials removed Nitrogenous - CN containing Protein Phosphorus containing Organic Nonbiodegradable surfacant Cumulative poison Heavy metal Chromium Mercury Fluorine containing Odor, e.g. including control or abatement Color

210/92	• using combined systems of sequential local and regional or municipal sewage systems
210/921	• Flow equalization or time controlled stages or cycles
210/922	• Oil spill cleanup, e.g. bacterial
210/923	• • • using mechanical means, e.g. skimmers, pump
210/924	• • • using physical agent, e.g. sponge, mop
210/925	using chemical agent
210/926	• • using oxidation ditch, e.g. carousel
210/928	• Paper mill waste, e.g. white water, black liquor treated
210/929	• Hemoultrafiltrate volume measurement or control processes
210/93	Paint detackifying
210/931	. Zebra mussel mitigation or treatment
Supports: rae	<u>cks</u>
211/00	Supports: racks
211/00 211/01	Supports: racks . Magnetic article holder
	. Magnetic article holder
211/01	. Magnetic article holder
211/01 Traversing h	• Magnetic article holder
211/01 <u>Traversing h</u> 212/00	 Magnetic article holder <u>oists</u> Traversing hoists Dolley-type cranes
211/01 <u>Traversing h</u> 212/00 212/901	 Magnetic article holder <u>oists</u> Traversing hoists Dolley-type cranes
211/01 Traversing h 212/00 212/901 Bottles and ja	 Magnetic article holder oists Traversing hoists Dolley-type cranes
211/01 Traversing h 212/00 212/901 Bottles and ja 215/00	 Magnetic article holder oists Traversing hoists Dolley-type cranes ars Bottles and jars Fins Coatings and laminations for making of bottle caps
211/01 Traversing h 212/00 212/901 Bottles and j: 215/00 215/01	 Magnetic article holder oists Traversing hoists Dolley-type cranes ars Bottles and jars Fins
211/01 Traversing h 212/00 212/901 Bottles and j: 215/00 215/01 215/02	 Magnetic article holder oists Traversing hoists Dolley-type cranes Bottles and jars Fins Coatings and laminations for making of bottle caps Medical Capping materials
211/01 Traversing h 212/00 212/901 Bottles and ja 215/00 215/01 215/02 215/03	 Magnetic article holder oists Traversing hoists Dolley-type cranes ars Bottles and jars Fins Coatings and laminations for making of bottle caps Medical

215/07 . with drinking cup 215/08 . Mixing 215/90 . Collapsible wall structure 215/901 . Tamper-resistant structure 215/902 . Vent

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Receptacles			cooler
220/00	Receptacles	220/9152	• insulated cooler, e.g. for use on a picnic, at the beach
220/01 220/02 220/03 220/04 220/05 220/06 220/07 220/08 220/09	 Beer barrels Bottle crates Breaker strips and sealing strips Bushings Antidrip Drains Flexible tubes Ice cream cabinets insulating materials 	220/916 220/917 220/918 220/919 220/92 220/921	 Container including axially opposed removable closures Corrosion resistant container Spacing element for separating the walls of a spaced-wall container Removable or separable spacing element Shock absorbing spacing element, e.g. spring Spacing element of unitary construction with one wall
220/10 220/11	Lunch kitsMaterials	Article dispe	nsing
220/12 220/13 220/14	MoldedOdd-shapedPlastic	221/00 221/01	Article dispensing . Storage retrieval
220/15 220/16	Plastic bottle cratesPressure indicators	Dispensing	
220/17 220/18 220/19 220/20	 Pressure and temperature locks Refrigerator linings Rubber plugs and caps Safety locking devices 	222/00 222/01	Dispensing . Xerography
220/20	• Safety locking devices		

. Shields

. Vanity

. Vents

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. Seamless . Fiberglass

. Tank trucks

Washtubs

. Sonic seal

. Radiator cap

. Rupture proof

fabric, rubber

. . Collapsible

. . with liner

. . Segregated

. . Table-top type

. Ventilated container

. Trash container

insecticide

. Foam

Welded seam

Biodegradable

. Gasoline tank cap

indicating or resistant

. Liquified gas content, cryogenic

. Flexible fuel tank for a vehicle

. Beverage can, i.e. beer, soda

. Insulating jacket for beverage container . Pail or bucket of flexible or flaccid material, e.g.

. . . including deodorizer, animal repellent, or

the container, e.g. funnel

. . . Can converted to ash container

. Container contoured to fit a body part

. Cookware, i.e. pots and pans

. Aerosol valve cap or protector

. . . including guiding means for directing trash into

. Hand-carried container for transporting a beverage or prepared food, e.g. lunch box, dinner pail, picnic

. Anti-tamper pharmaceutical capsules, e.g. tamper

. U-shaped sectional

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220/915

Apparel apparatus

Apparerappa		2211
223/00	Apparel apparatus	Metal
223/01	• Tie hanger	228/
223/02	• Holders and clamps	228/
223/03	• Reversible hanger	228/
223/04	. Hooks	228/
Package and	article carriers	228/
224/00	Package and article carriers	Envelo
224/901	Carrier component having adherent surface	
224/9012	• • Loop and hook fastener	229/
224/9014	On strap	229/
224/9016	Closure fastener	
224/9018	• • Connection between support and article or receiver	229/
224/902	. Battery carrier	229/
224/903	. Holder for timepiece not carried on wrist	229/
224/904	• Tool holder carried by belt	229/
224/905	• Attaching means crossing back of pack animal	229/
224/906	• Container formed of folded paperboard	229/
224/907	• Rigid shield or pad positioned between article and	229/
224/908	bearer Carrier for camera or other photographic equipment	229/
224/908 224/909	. Binocular carrier	229/
224/90	Carrier for musical instrument	229/
224/911	 Handgun holder formed of leather, fabric, or other 	229/
224/911	flexible material	229/
224/912	Handgun holder formed of metal or other rigid material	229/
224/913	• Carrier for rifle or shotgun	229/
224/914	• Carrier for handcuffs, blackjack, club, or other	229/
	equipment carried by policeman	229/
224/915	• Carrier for folded umbrella	229/
224/916	• Carrier for bow or arrow	229/
224/917	• Ski carrier	229/
224/9175	Vehicle attached	229/
224/918	• Carrier for golf tee or marker	229/
224/919	. Ball carrier	229/
224/92	• Carrier for fishing bait or lure, or fish carrier other	229/
	than stringer	229/
224/921	• Game carrier other than stringer	229/ 229/
224/922	• Fishing rod holder	229/
224/923 224/924	• Carrier with sleeping compartment	229/ 229/
224/924	Vehicle attached carrier for bicycle or motorcycleCarrier for grocery bag	229/
224/925	 Carrier for grocery bag Vehicle attached carrier for beverage container or bottle 	229/
224/927	• Carrier for clothes hanger	229/
224/928	• Trash receptacle	229/
224/929	• Article carrier for electrical device	229/
224/93	. Attached to animate bearer	229/
224/931	• Carrier for ammunition	229/
224/932	. Carrier for towel or handkerchief	229/
224/933	• Carrier for gloves	229/
224/934	• Underwater carrier	229/
224/935	• Carrier for cycle lock	229/
Elongated-m	ember-driving apparatus	229/ 229/
		229/

Elongated-member-driving apparatus

. Surgical clip appliers

227/902	•	Surgical clips or staples
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l fusion bonding

228/00	Metal fusion bonding			
228/901	Process of bonding batteries			
228/902	• using flame			
228/903	• Metal to nonmetal			
228/904	• Wire bonding			
	C			
Envelopes, w	rappers, and paperboard boxes			
229/00	Envelopes, wrappers, and paperboard boxes			
229/90	• including means to facilitate handling by a			
229/90	mechanical apparatus during manufacturing or			
	filling			
229/901	• Box structure alternatively useable as a container or			
220/001	a lid			
229/902	• Box for prepared or processed food			
229/903	• Ovenable, i.e. disclosed to be placed in an oven			
229/904	Compartmented fast food holder or lap tray			
229/9041	• Candy			
229/905	• Frozen food			
229/905	Baked goods			
229/9061	• Cup lid with means for forming a drinking opening			
229/907	Trash box			
229/907	· Paint tray			
229/909	. Cigar box			
229/91	 Bucket or pail type, i.e. liquid proof container with 			
225/51	handle			
229/911	• • with closure			
229/912	Separate element			
229/913	. Drawer-type			
229/914	• Basket-type with handle			
229/915	• Stacking feature			
229/9151	. Gable-top box			
229/916	• • Means for ventilating while stacked			
229/917	• • Stacking of collapsed container or blank			
229/918	. Corner construction			
229/919	Reinforced wall			
229/92	• Stress relief			
229/921	• with mailing indicia			
229/922	• with decorative feature			
229/923	Gift wrapped			
229/924	• Means to facilitate gripping a tear strip			
229/925	• • Finger opening, e.g. slit, aperture			
229/926	• Pull tab located in a seam			
229/927	. Means for tearing or breaking rigid or semirigid			
	thermoplastic container			
229/928	• Expandable envelope			
229/929	• Vented envelope			
229/93	• Fold detail			
229/931	Fold includes slit or aperture			
229/932	. Ice cream cone carrier			
229/933	• Mating container blanks			
229/934	Compartmented bottle carrier			
229/935	• No waste, i.e. edge-to-edge blanks			
229/936	• Three or more blanks with alternating orientations			
229/937	• Plural blanks for making a single container			
229/938	• Sandwich holder			
229/939	• Container made of corrugated paper or corrugated			
220/04	paperboard			
229/94	Container material with specified grain direction			

227/00

229/941	• Box having joint structure for preventing leakage
229/942	. Nonreusable box having means to facilitate
	collapsing or disassembling for disposal or for recycling of the box material, e.g. "knockdown"
	type

Selective cutting, e.g. punching

234/00	Selective cutting, e.g. punching
234/01	• Fluid and photoelectric control

Registers

235/00	Registers
235/90	. Means to affix bar code, e.g. attaching, etching,
	coating, printing
235/901	• Bar code reader specialized to read code on a highly reflective surface

Automatic temperature and humidity regulation

236/00	Automatic temperature and humidity regulation
236/01	Adjustable lever
236/02	• Fail safe
236/03	Safety electric
236/04	Safety vacuum
236/05	• Fusible
236/06	Clamp on
236/07	Coil bulb
236/08	• Computer
236/09	• Fan control
236/10	• Filling
236/11	• Expandible fluid
236/12	• Heat conductor
236/13	• Humidithermostat
236/14	• intermittant control
236/15	• Photocell
236/16	• Relief spring
236/17	Spring rate compensator
236/18	• Rubber
236/19	• Ventilated thermostat
Heating syst	tems

Railways: surface track

237/00

237/01

238/00	Railways: surface track
238/01	• Track structure assembled by gluing

Heating systems

. Inert gas

Fluid sprinkling, spraying, and diffusing

239/00	Fluid sprinkling, spraying, and diffusing
239/01	• Pattern sprinkler
239/02	Scarfing torches
239/03	Fluid amplifier
239/04	• O-ring
239/05	• Ball agitators
239/06	• Lawn mower
239/07	. Coanda
239/08	• Cutter sprayer
239/09	. Slide fastener
239/10	Carbon dioxide bulb
239/11	. Magnets

239/12	• Flexible outlets
239/13	• Soot blowers and tube cleaners
239/14	• Paint sprayers
239/15	• Sprinkler systems with controls
239/17	• Low volume
239/19	• Nozzle materials
239/21	• Air blast
239/22	• Safety air nozzles
239/23	• Screens
239/90	• Electromagnetically actuated fuel injector having ball and seat type valve

Solid material comminution or disintegration

241/00	Solid material comminution or disintegration
241/10	• Foundry sand treatment
241/14	• Grinding in inert, controlled atmosphere
241/17	• Ice crushers
241/27	• Pill or tablet crushers
241/30	• Rubber elements in mills
241/31	• Rubber preparation
241/37	Cryogenic cooling
241/38	Solid waste disposal
241/60	• Furnace stokers
241/601	• Sand mullers
241/602	Soap dispensers
241/603	Animal powered mill
241/604	• Plural inlets for diverse solid materials
241/605	• Hay unbaler
241/606	• Medical/surgical waste comminution
<u>Winding, ter</u>	nsioning, or guiding
242/00	Winding, tensioning, or guiding
242/01	• Tape program control means
242/02	. Narrow fabric winding apparatus
242/03	Coreless coilers
242/90	. Particular apparatus material
242/901	• Figure eight winding
242/902	• Line loader for fishing reel
242/903	• Drum for a winch or hoist
242/904	• Water ski reel
242/905	• Winder with storage chamber, e.g. for deodorant,
	paper
242/906	Static charger or discharger
242/907	 Vibration creation or dampening
242/908	Fluid treatment or handling
242/909	• Heating or cooling
242/91	Convolution tightener or loosener
242/911	• Cutter
242/912	Indicator or alarm
242/913	Safety device
242/914	 Special bearing or lubrication
242/915	• Coil gripper
242/916	• Hand tool
242/917	Accommodating special material or article, e.g.
	antenna
242/918	• Web material, e.g. thermal insulation
242/919	Ground cover, e.g. tarp
242/92	Glass strand winding
<u>Railway swit</u>	tches and signals

246/00 Railw	ay switches	and signals
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246/01	• Radiant energy devices	250/909	• Methods and apparatus ancillary to stimulable
246/02	Thermal sensing devices	230/909	phosphor systems
240/02	• Therman sensing devices	250/91	• Food sample analysis using invisible radiant energy
<u>Supports</u>			source
248/00	Supports	Valves and v	valve actuation
248/90	. Movable or disengageable on impact or overload		
248/901	• Support having temperature or pressure responsive	251/00	Valves and valve actuation
	feature	251/90	• Valves with o-rings
248/902	• Eyeglasses holder	251/901	• Curtain type valves
248/903	Support reinforcement	251/902	• Springs employed as valves
248/904	Indicator mount	251/903	. Needle valves
248/905	Tissue dispenser mount	251/904	Snap fit plug valves
248/906	Electrical outlet box support	251/905	• Movable coil electrical actuator, e.g. voice coil
248/907	Trash container support	a	
248/908	Simulation of diverse device	Composition	<u>15</u>
248/909	• Frangible component, e.g. having a score line or	252/00	Compositions
	groove	252/18	• Activation-platinum
248/91	. Weighted base	252/95	• Doping agent source material
248/911	• Plural, selectively usable, support engaging means	252/951	• for vapor transport
248/912	• Plural, selectively usable, article engaging means	252/96	• Surface flaw detecting compositions
248/913	• Two axis article engaging means, e.g. x - y device	252/961	• Stress or contact indicators
248/914	Handbag holder	252/962	. Temperature or thermal history
248/915	• with ornamentation	252/963	• Humidity or moisture indicators
248/916	. Mechanical expedients, e.g. in supports	252/964	• Leak detection
248/917	• Video display screen support	252/965	• Retrospective product identification, e.g. tags and
248/918	Ancillary device support associated with a video	202, 200	tracers
	display screen		
248/919	• • Adjustably orientable video screen support	Implements	or apparatus for applying pushing or pulling force
248/92	Angular and linear video display screen support	254/00	Implements or apparatus for applying pushing or
	adjustment		pulling force
248/921	Plural angular	254/01	Jack bases
248/922	Angular	254/02	• Electric screw jacks
248/923	Tilting	254/03	Jack handles
248/924	Adjustable size	254/04	 Object engaging heads for jacks
248/925	• Mountain climbing aids, e.g. pitons etc.	254/05	 Means for depressing foot brake when adjusting
640420		237/03	same
Static molds		254/06	• Flexible rack and pinion
2 40/00	Q4 - 4 ¹	20 1/00	· · · · · · · · · · · · · · · · · · ·

249/00	Static molds	
249/01	Cake pan	
249/02	• Paper core	
249/03	Swimming pool	
249/04	• Test mold	
249/05	• Hot top	

Radiant energy

250/00	Radiant energy
250/01	Passive intrusion detectors
250/02	Radon detection
250/90	Optical liquid level sensors
250/901	• • with gap between light guide elements, includes
	open light path preset
250/902	• • • with closed light path preset
250/903	•••• with prism contacting liquid
250/904	• • with single light guide element to guide light in a
	continuous path
250/905	• • • with longitudinal irregularity
250/906	• • • • with large scale longitudinal bend
250/907	• • • • with portions of light guide coating or
	cladding removed
250/908	• • • • with waveguide twisted about its longitudinal
	axis

254/903	• Yieldable, constant engagement, friction coupling, e.g. slip clutch in drive for cable pulling drum
ences	
256/00	Fences
256/01	Compensator, spring
256/02	• Adjustable or falling fence

254/07

254/08

254/09

254/10

254/11

254/12

254/13

254/14

254/15

254/16

254/90

254/901

254/902

Fences

•

•

. Pawls

. Adjustable or falling fence

. Printers form trucks

. Screw jacks, plural section nut

. Cable drum feed for presser

. Automobile transmission jack

. Vehicle retarding drums

. Rope attachment

. Motor clamps

means

Vehicle-operated lift platform

Tire or rim expanding or contracting devices

. Cable pulling drum having wave motion responsive actuator for operating drive or rotation retarding

. Antifriction means for cable pulling drum

• Either drum, pulley wheel element, or cable constructed from specific material

256/03 . Wire clamp

Board fastener	257/929	• PN junction isolated integrated circuit with isola
Metal post Building construction guard rail		walls having minimum dopant concentration at intermediate depth in epitaxial layer, e.g. diffuse
	257/02	from both surfaces of epitaxial layer
devices, e.g. transistors, solid-state diodes	257/93	• Thermoelectric, e.g. peltier effect cooling
tive solid-state devices, e.g. transistors, solid- ate diodes	<u>Chemistry of</u>	carbon compounds
MOSFET type gate sidewall insulating spacer	260/00	Chemistry of carbon compounds
MOSFET substrate bias	260/14	. Soil treatment digest, polyelectrolytes
FET with metal source region	260/15	. Antistatic agents not otherwise provided for
FET configuration adapted for use as static memory cell	260/16	• Antistatic agents containing a metal, silicon, boron or phosphorus
 with passive components,, e.g. polysilicon resistors 	260/17 260/18	 High polymeric, resinous, antistatic agents High polymeric, resinous, antistatic agents
Plural dram cells share common contact or common		containing pentavalent nitrogen
trench	260/19	• Non-high polymeric antistatic agents/n
Dram with capacitor electrodes used for accessing,	260/20	Antistatic agent contains pentavalent nitrog
e.g. bit line is capacitor plate	260/21	• Polymer chemically or physically modified to
Folded bit line dram configuration		impart antistatic properties and methods of antis
Dram configuration with transistors and capacitors		agent addition
of pairs of cells along a straight line between	260/22	. Concentration
adjacent bit lines	260/23	. Fiber
Macrocell arrays, e.g. gate arrays with variable size	260/24	. Flameproof
or configuration of cells	260/25	• Metal catalyst
Diode arrays, e.g. diode read-only memory array	260/26	• Multicolor
Light sensitive array adapted to be scanned by	260/27	. Nomenclature
electron beam, e.g. vidicon device	260/28	• Peroxide
Charge transfer device using both electron and hole	260/30	• Properties
signal carriers	260/31	• Ionic cross-link
with means to absorb or localize unwanted	260/32	Incompatible blend
impurities or defects from semiconductors, e.g.	260/33	. Molecular sieve
heavy metal gettering	260/34	. Hydantoin
Polysilicon containing oxygen, nitrogen, or carbon,	260/35	Crystallization
e.g. sipos	260/33	Clystanization Closure
with titanium nitride portion or region	260/37	. Ink
Narrow band gap semiconductor material, <<1ev	260/38	• Glass flake
Plural dopants of same conductivity type in same region	260/41	• Melts used in preparation of non-cyclic aliphatic
Light emitting regenerative switching device, e.g.	260/42	chloro-, bromo- and iodo-hydrocarbons
light emitting scr arrays, circuitry	260/43	• Promoting degradability of polymers
Elements of similar construction connected in series	260/44	• Beta branched fatty acid
or parallel to average out manufacturing variations	260/45	Polymer dispersions
in characteristics	260/46	• Vibration dampening composition
Conductor layers on different levels connected in	260/47	• Poisons, foods, or pharmaceuticals
parallel, e.g. to reduce resistance	260/99811	• Dental
Radiation hardened semiconductor device	260/99812	. Ablative
with means to prevent inspection of or tampering	260/99813	• Brake, friction or anti-skid
with an integrated circuit, e.g. "smart card", anti-	260/99814	• Ball, bat, pin or billy
tamper	260/99815	Floor covering
with means to optimize electrical conductor current	260/99816	. Sound record
carrying capacity, e.g. particular conductor aspect	260/99817	. Pearlescent
ratio	260/99818	. Mold or mold coating
with passive device, e.g. capacitor, or battery, as	260/99819	• Road marking or pavement compositions, non-
integral part of housing or housing element, e.g. cap		cementitious, non bituminous
Bridge rectifier module	260/9982	• Dipeptides, e.g. aspartame, anserine or carnosin
Elongated lead extending axially through another elongated lead	260/99821	 Aspartylphenylalanone esters and cyclohexylalanine esters
Different doping levels in different parts of PN junction to produce shaped depletion layer	260/99822	Arginine containing
with shorted PN or schottky junction other than	<u>Gas an</u> d liqui	id contact apparatus
emitter junction	_	Gas and liquid contact apparatus
elo Di jui wi	ongated lead ifferent doping levels in different parts of PN nction to produce shaped depletion layer ith shorted PN or schottky junction other than	ongated lead260/99822afferent doping levels in different parts of PN260/99822anction to produce shaped depletion layerGas and liquitath shorted PN or schottky junction other thanGas and liquit

261/00	Gas and liquid contact apparatus
261/01	. Auxiliary air inlet carburetors
261/02	• Airplane

261/03	. Air cooling	261/62	• Longitudinally reciprocating choke tube having
261/04	• Auto humidifiers	261/62	movable parts
261/06	. Backfire	261/63	 Longitudinally reciprocating choke tube, throttle- operated
261/07	• Carbonators	261/64	• Longitudinally reciprocating choke tube, suction-
261/08	Carburetor primers	201/04	operated
261/09	• Furnace gas scrubbers	261/65	• Vaporizers
261/10	• Steam heaters and condensers	261/65	• Water injection to prevent detonation
261/11	• Cooling towers	261/67	Carburetors with vented bowl
261/12	Carburetor venturi	261/68	 Diaphragm-controlled inlet valve
261/13	Desuperheaters	261/69	 Fluid amplifiers in carburetors
261/14	Display stands	261/70	Sewage aerators; diffusers
261/15	Duct humidifiers	261/71	Sewage aerators; rotating
261/16 261/17	Cream whippingOdorizers	261/72	• Packing elements
261/17	Dashpots	261/73	• Carburetor primers; ticklers
261/18	Dashpots Degassers	261/74	• Valve actuation; electrical
261/20	 Decens for carburetors 	261/75	• Flowing liquid aspirates gas
261/20	 Drawing excess fuel from carbureting passage 	261/76	• Steam
261/22	 Faucet aerators 	261/77	• Plume abatement
261/22	Fuel feeding valves	261/78	• Sonic flow
261/23	Fuel feeding valve retaining	261/79	Cooling ponds
261/24	Fuel spread out into a film	261/80	Electrical treatment
261/25	 Foam 	261/81	Percolation control
261/20	Gas circulated in circuit	261/82	• Upper end injectors
261/27	 Blood oxygenators 	261/83	• Fuel vapor generation
261/29	 Heaters submerged in liquid 	261/84	. Tamperproof
261/30	• Tray heaters	261/85	• Droplet catchers
261/30	• Heaters	261/86	Cooling tower ice prevention
261/32	• Heaters and condensers	261/87	Cooling tower power generators
261/32	• Heaters, spray	261/88	Aroma dispensers
261/34	Automatic humidity regulation	261/89	. Electrically heated aroma dispensers
261/35	• Air line lubricators		
261/35 261/36		Plastic and	nonmetallic article shaping or treating: processes
	• Air line lubricators	<u>Plastic and</u> 264/00	nonmetallic article shaping or treating: processes Plastic and nonmetallic article shaping or treating:
261/36	Air line lubricatorsCarburetor manifolds		
261/36 261/37	Air line lubricatorsCarburetor manifoldsModern pumps diaphragm		Plastic and nonmetallic article shaping or treating:
261/36 261/37 261/38	Air line lubricatorsCarburetor manifoldsModern pumps diaphragmNeedle valves	264/00	Plastic and nonmetallic article shaping or treating: processes
261/36 261/37 261/38 261/39	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles 	264/00 264/01	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins
261/36 261/37 261/38 261/39 261/40	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber 	264/00 264/01 264/02	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product
261/36 261/37 261/38 261/39 261/40	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers 	264/00 264/01 264/02 264/03 264/04	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers 	264/00 264/01 264/02 264/03 264/04 264/05	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough 	264/00 264/01 264/02 264/03 264/04 264/05 264/06	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors 	264/00 264/01 264/02 264/03 264/04 264/05 264/06 264/07	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/49 261/50	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed resin products
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed polypropylen articles
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed resin products Molding foamed polypropylen articles Molding a foam containing a filler
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Variable venturi 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed resin products Molding a foam containing a filler Cross-linking a thermoplastic linear foam during
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Variable venturi Interchangeable chore tube 	264/00 264/01 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed polypropylen articles Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57 261/58	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Variable venturi Interchangeable chore tube Choke tube having plurality of leaves 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18 264/19	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed resin products Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding Inorganic fiber
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57 261/58 261/59	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Suction operated feed valve Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Choke tube having plurality of leaves Choke tube leaves flexible 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18 264/19 264/20	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed polypropylen articles Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding Inorganic fiber Tar bonded
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57 261/58 261/59 261/60	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Surge prevention in carburetors Carburetor with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Choke tube having plurality of leaves Choke tube leaves flexible Duplex barrels 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18 264/19	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed resin products Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding Inorganic fiber Tar bonded Metallic oxide
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57 261/58 261/59	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Surge prevention in carburetors Carburetors with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Choke tube having plurality of leaves Choke tube leaves flexible Duplex barrels Longitudinally reciprocating choke tube along air 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18 264/19 264/20 264/25	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed polypropylen articles Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding Inorganic fiber Tar bonded
261/36 261/37 261/38 261/39 261/40 261/41 261/42 261/43 261/44 261/45 261/46 261/47 261/48 261/49 261/50 261/51 261/52 261/53 261/54 261/55 261/56 261/57 261/58 261/59 261/60	 Air line lubricators Carburetor manifolds Modern pumps diaphragm Needle valves Liquid feeding nozzles Oil filter for fuel entering nozzles or float chamber Pad retaining means in humidifiers and air conditioners Ozonizers Air coolers Overflow trough Processes carburetors Residue prevention in humidifiers and air conditioners Swing diffusers Sonic vibrators Surge prevention in carburetors Carburetor with supercharging blowers Carburetor with valves Valve actuation Venturi scrubbers Reatomizers Choke tube having plurality of leaves Choke tube leaves flexible Duplex barrels 	264/00 264/02 264/03 264/04 264/05 264/06 264/07 264/08 264/09 264/10 264/11 264/12 264/13 264/14 264/15 264/16 264/17 264/18 264/19 264/20 264/25 264/26	 Plastic and nonmetallic article shaping or treating: processes Methods of blow-molding cellular containers Molding cellular aldehyde resins Molding cellular pvc-isocyanate resins Molding and forming bendable and flexible product from rigid preform Use of one or more blowing agents together Molding microballoons and binder Binding and molding cellular particles Fibrillating cellular materials Pre-expansion of foamed polystyrene Foamed polystyrene mold filling Molding styropor using steam probes-batch Molding styropor using steam probes continuous Cell size and distribution control while molding a foam forming integral skin on a foamed product Aging of foamed polypropylen articles Molding a foam containing a filler Cross-linking a thermoplastic linear foam during molding Inorganic fiber Tar bonded Metallic oxide Composite fibers made of two or more materials

billets having geo metrical crosssections

264/28

264/29

264/30

264/31 264/32

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264/67

264/68

264/70

264/71

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264/73

264/74

264/75

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264/78

264/79

264/80

264/81

264/82

264/83

264/84

• Stretching filaments in gas or steam	264/90	• Direct application of fluid pressure differential
• Mixed resin filaments		to shape, reshape, i.e. distort, or sustain an article
• Use of anatomy in making a mold or using said		or preform and heat-setting, i.e. crystallizing of stretched or molecularly oriented portion thereof
mold	264/901	Heat-setting of stretched or molecularly oriented
• Processes of making tile and tile-like surfaces	204/901	article formed from planar preform, e.g. sheet,
Processes in molding using asbestos or asphaltBlow-molding articles of nonuniform thickness		film
 Processes and molds for making buttons 	264/902	Production of continuous length
• Use of CaO with refractories	264/903	Heat-setting and simultaneous differential heating
 Processes of making metal-ceramics 		of stretched or molecularly oriented section of
 Processes of making mean commence Processes and molds for making capsules 		article or preform
• Making film or tubes from casein	264/904	• Maintaining article in fixed shape during heat-
• Treatment of clay before and after molding	264/005	setting
Processes of coiling plastics	264/905	 having plural, distinct differential fluid pressure shaping steps
• Processes of molding collapsible tubes	264/906	• • • And heat-shrinking outside of mold including
• Processes of molding involving cross linking	204/900	subsequent re-expanding of shrunken article
. Processes of curing clay and concrete materials		using differential fluid pressure
• using destructible molds or cores in molding	264/907	• Direct application of fluid pressure differential
processes		to shape, reshape, i.e. distort, or sustain an article
 Molding using an electrical force 		or preform and crystallizing of nonstretched or
• Molding using an electrical heat		molecularly unoriented portion thereof
• Processes of splitting film, webs or sheets	264/908	• Crystallizing of neck portion of hollow article or
Processes of making filters	264/000	hollow preform
• Processes of using fly ash	264/909	• Direct application of fluid pressure differential to stretch an article or preform and heat shrinking of
• Use of fluid pressure in molding		stretched article or preform
• Use of fluidized bed in molding	264/91	• Sintering to produce translucent inorganic article
• Processes of making corrugated tubes for gas mask	264/911	• Recycling consumer used articles or products
Processes of using glass filter in molding process Processes in making insulators	264/912	• From toroidal shapes, e.g. resilient tires
Processes in making insulatorsProcesses for making jewelry	264/913	• From fiber or filament, or fiber or filament
Processes of molding lactams		containing article or product, e.g. textile, cloth
 Processes of morning layered products 		fabric, carpet, fiberboard
 Processes of forming magnets 	264/914	From cellulose containing articles, e.g. paper
 Processes of forming mignets Processes in which a partial cure is involved 	264/915	From inorganic material containing articles or
• Processes of molding plastisols		products, e.g. hydro-set, cement, plaster, wire,
• Processes of molding polyamide	264/016	cable
• Processes of molding porous films	264/916	• From porous material containing articles, e.g. sponge, foam
• Processes of molding porous blocks	264/917	 by blow molding material recycled from
• Processes of using preform in molding	204/91/	consumer used article or product
Processes of preheating prior to molding	264/918	• From hollow- or container-type articles, e.g.
Processes of reshaping and reforming		tubes, bottles, cups
forming ring-like structure	264/919	From pipe or tube, e.g. hose
. Roll	264/92	by extruding material recycled from consumer
Processes for forming screens or perforating articles		used article or product
 Processes of shaping by shrinking 	264/921	• • by injection molding material recycled from
Processes of molding by spraying		consumer used article or product
• Processes of stretching	Metallurgics	al apparatus
Processes of repairing tires	Metanuigica	
• Processes of uniting two or more fibers	266/00	Metallurgical apparatus
• Processes of uniting two or more parts	266/01	• Repair or restoration of apparatus
• Processes of molding urethanes	266/90	• Metal melting furnaces, e.g. cupola type
Processes of molding using vacuumProcesses of molding articles of vinylidene chloride	266/901	Scrap metal preheating or melting
 Processes of motaling articles of vinyindene chloride Processes of waterproofing 	266/902	• Blowpipes specialized to transversely cut or notch
Processes of waterproofing Plastic net	266/002	blooms, billets or bars
Embossing by foaming	266/903	Safety shields Ployning outting boads
 Injection molding of polyolefin-type foam 	266/904 266/905	Blowpipe cutting headsRefractory metal-extracting means
 Conversion of foamed resinous buns into foamed 	200/903	• Reflactory metal-extracting medils
Lillete having and methical and a build into rouniou	G	

Spring devices

267/00	Spring devices
267/01	. Constant height

CPC -	2025.05
UPU -	2023.03

267/02	• Constant height, self-pumping	273/31
267/03	• Spring buckle	<u>Seal for a joi</u>
Work holde	<u>rs</u>	277/00
269/00	Work holders	277/902
269/90	• Supporting structure having work holder receiving	277/903
	apertures or projections	277/904
269/901	. Collapsible or foldable work holder supporting	277/905
	structure	
269/902	. Work holder member with v-shaped notch or groove	277/906
269/903	. Work holder for electrical circuit assemblages or	277/907
	wiring systems	277/908
269/904	. Work holder for positioning elements of building in	
	installed location	277/909
269/905	. Work holder for doors and door frames	
269/906	• Work holder for skis	277/91
269/907	• Work holder for fishing flies	277/911
269/908	• Work holder for cathode-ray tubes	
269/909	• Work holder for specific work	277/912
269/91	. Work holder for prefabricated roof truss or wall	277/913
	frame	
~		277/914
<u>Sheet feedin</u>	<u>g or delivering</u>	277/915
271/00	Sheet feeding or delivering	277/916
271/90	• Stripper	277/917
271/901	• Magnetic operation	277/918
		277/010

• Traveling wicket for stack on edge

. Reverse direction of sheet movement

Amusement devices: games

271/902

1 mild Schilden	t de freest guines		• Domaining of Johning for manufacture of Sear
273/00	Amussment devices comes	277/923	• • Shrink-fitting for the assembly of seal
273/00	Amusement devices: games . Carbonate	277/924	. Deformation, material removal, or molding for
			manufacture of seal
273/02	• Styrene	277/925	. Snap fit feature for mounting or assembly of seal
273/03	• Epoxy	277/926	Seal including fluid pressure equalizing or
273/04	• Ethylene		balancing feature
273/05	. Vinyl	277/927	• Seal including fluid pressure differential feature
273/06	• Nylon	277/928	. Seal including pressure relief or vent feature
273/07	• Glass fiber	277/929	. Seal feature where change in operation or conditi
273/08	• Urethane		induces additional leakage control
273/09	• Ester	277/93	 Seal including heating or cooling feature
273/10	• Butadiene	277/931	. Seal including temperature responsive feature
273/11	• Acetal	277/932	. Bi-metallic
273/12	• Propylene	277/933	Chemical reaction or physical change of state
273/13	Artificial grass	277/934	. Seal swells when wet
273/14	• Transparent	277/935	• Seal made of a particular material
273/15	• Cork	277/936	Composite
273/16	. Acrylic	277/937	Glass particles or filament
273/17	• Head mounted	277/938	Carbon or graphite particle or filament
273/18	• Shoe mounted	277/939	Containing metal
273/19	• Waist mounted	277/94	Alloy
273/20	• Weighted balls	277/941	Aluminum or copper
273/21	• Reel	277/942	Silver or gold
273/22	. Ionomer	277/943	• Ceramic or glass
273/23	• High modulus filaments	277/944	• Elastomer or plastic
273/24	. Luminescent, phosphorescent	277/945	Containing fluorine
273/25	Suction cups involved	277/946	•••• PTFE
273/26	. Point counters and score indicators		
273/27	Blind and color blind	Chucks or so	<u>ockets</u>
273/29	. Silicone	270/00	Churches on as shots
273/30	• Hooked pile fabric fastener	279/00	Chucks or sockets
	-	279/90	• Adapted for automatic tool changer

Seal for a joint or juncture

Seal for a joint or juncture

277/00	Seal for a joint or juncture
277/902	• Seal for sterling engine
277/903	Seal for rotating kiln or drum
277/904	• Viscous seal
277/905	 T-Shaped or I-shaped ring member including seal on a side
277/906	• Seal for article of indefinite length, e.g. strip, sheet
277/907	Passageway in rod or shaft
277/908	 Seal for use in rotating and reciprocating
	arrangement
277/909	• Similar sealing structures for mounting on piston and about rod
277/91	• O-ring seal
277/911	. Seal combined with nominal motion transmitting device
277/912	Spline connection
277/913	• Seal for fluid pressure below atmospheric, e.g.
	vacuum
277/914	. Backup seal for failure of primary seal
277/915	. Seal including compression set feature
277/916	. Seal including vibration dampening feature
277/917	• Seal including frangible feature
277/918	. Seal combined with filter or fluid separator
277/919	• Seal including electrical feature
277/92	• Seal including electromagnetic shielding feature
277/921	Closure or weather strip seal
277/922	• Bonding or joining for manufacture of seal
277/923	• • Shrink-fitting for the assembly of seal
277/924	Deformation, material removal, or molding for manufacture of seal
277/925	• Snap fit feature for mounting or assembly of seal
277/926	• Seal including fluid pressure equalizing or
	balancing feature
277/927	• Seal including fluid pressure differential feature
277/928	• Seal including pressure relief or vent feature
277/929	• Seal feature where change in operation or condition induces additional leakage control
277/93	. Seal including heating or cooling feature
277/931	. Seal including temperature responsive feature
277/932	. Bi-metallic
277/933	Chemical reaction or physical change of state
277/934	• Seal swells when wet
277/935	. Seal made of a particular material
277/936	Composite
277/937	Glass particles or filament
277/938	Carbon or graphite particle or filament
277/939	Containing metal
277/94	Alloy
277/941	Aluminum or copper
277/942	Silver or gold
277/943	Ceramic or glass
277/944	• Elastomer or plastic
277/945	Containing fluorine
277/946	•••• PTFE
Chucks or so	rkets

Chucks or sockets

279/901	• Chuck or chuck jaw changing means
279/902	• Keyless type socket
279/903	• Needle roller type socket
279/904	• Quick change socket
279/905	• • with ball detent
279/906	• Self grasping socket
279/907	• Washer type jaw or actuator
Land vehicles	
280/00	Land vehicles
280/01	• Load responsive, leveling of vehicle
280/02	• Wheel supports for outboard motors
280/03	• Wheeled shopping bag
280/04	Grocery store cart
280/05	Motorized colf conto

280/05	• Motorized golf carts
280/06	• Wheeled golf club carriers
280/07	. Air bag rollers
280/08	. Separable body or container-type semitrailers
280/09	Occupant-steered trailers
280/10	Stair climbing chairs
280/11	• Walking attendant steered trailers
280/12	• Clamp-type ski bindings having plural diverse axes
	or clamps
280/13	Ski binding controlled by skier position or by
	remote control
280/14	. Tractor-trailer backing connections
280/90	Runner vehicle attachments
280/901	. Adaptation of nonspecialized vehicles to semitrailer
	tractors

Books, strips, and leaves

281/00 281/01	Books, strips, and leaves . Magnet	
Printed mat	ter	
283/00	Printed matter	

283/90	. Medical record
283/901	. Concealed data
283/902	. Anti-photocopy
283/903	 Lottery ticket
283/904	. Credit card

Pipe joints or couplings

285/00	Pipe joints or couplings
285/90	Balanced pressure
285/901	• Cap closures
285/902	• Canted ring
285/903	• Corrugated
285/904	Cryogenic
285/905	Different coefficients of expansion
285/906	• Equivalents
285/907	Electrical fixtures
285/908	• Extrusion holes
285/909	Fluorocarbons and memory plastics
285/91	• Gaskets
285/911	• Glass
285/912	• Gear
285/913	 Interdigitating
285/914	• Irreversible
285/915	• Mastic

 285/917 . Metallic seals 285/918 . O-ring 285/919 . Resinous 285/92 . Remotely controlled 285/921 . Snap-fit 285/922 . Safety and quick release for 285/923 . Specific material 	· drill nines
285/919. Resinous285/92. Remotely controlled285/921. Snap-fit285/922. Safety and quick release for	· drill pipes
285/92. Remotely controlled285/921. Snap-fit285/922. Safety and quick release for	· drill pipes
285/921. Snap-fit285/922. Safety and quick release for	· drill nines
285/922 • Safety and quick release for	· drill nines
	· drill nines
285/923 . Specific material	ann pipes
285/924 . Vented	
285/925 • Swells when wet	
<u>Closure fasteners</u>	
292/00 Closure fasteners	
	steners
. Automobile fender shield fa	asteriers
292/01 . Automobile fender shield fa292/02 . Auxiliary knob slip covers,	
-, -, -,	guards
292/02 • Auxiliary knob slip covers,	guards
Auxiliary knob slip covers,Automobile multiple door li	guards
 Auxiliary knob slip covers, Automobile multiple door li Automatic release latches 	guards atches

- locking and operating means 292/08 . Buffer handles
- 292/09 Hinge plate fasteners secured to upper sash .
- 292/10 Cupped disc fasteners •
- 292/11 Cover fasteners .
- 292/12 . Closure operators
- 292/13 . Cow proof latches
- 292/14 Hood latches
- 292/15 . Door, checks, floor . Flexible bolts 292/16
- 292/17 . Hinge edge latches
- 292/18 Gang locks .
- 292/19 Combined door holder and buffer .
- 292/20 Window fasteners .
- Individually latched double doors 292/21 .
 - Inertia operated .

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- Vehicle door latches .
- . Dogging mechanism from inside operating means
- . Remote control
- . Automatic undogging or reconnecting
- 292/27 . Disconnectable handle
 - Suction cup fasteners .
 - End gate fasteners .
 - Latch and handle •
- 292/31 Lever operator, flush • 292/32
 - . Freight car door fasteners
 - Metallic casement window fasteners
 - Non-refillable container cover fasteners
 - . Storm sash fasteners
 - . Overhead door latches
 - . Push button operators
 - Plastic latch parts .
 - . Dovetail door aligner
 - Combined dovetail and keeper •
 - Door latch separation prevention .
 - Trunk latches .
- 292/43 Rear deck lid latches .
- 292/44 . Extensible bolts
- 292/45 . Slot closure
- 292/46 . Sliding door fasteners
- 292/47 . Sash fasteners

Closure fasteners

292/48	. Traveling bag frame and camera cover fasteners	297/90
292/49	• Toggle catches	
292/50	• Handbag or purse clasps	
292/51	• Bolt guides	<u>Fluid-pre</u>
292/52	• Rollbacks	303/00
292/53	• Mounting and attachment	303/01
292/54	Attachments and adjuncts	303/02
292/55	• Bolt and keeper aligners	303/03
292/56	. Silencers	303/04
292/57	Anti-friction provisions	
292/58	Lubrication	303/05
292/59	• insulation, heat and electrical	303/06
292/60	 Adjustment provisions 	303/07
292/61	• Spring devices	303/08
292/62	Lost motion connections	303/09
292/63	. Finger or hand grip	303/10
292/64	• Assembly	
292/65	• Emergency or safety	303/11
292/66	Thermally controlled mechanism	303/12
292/67	. Vehicle door latches free of sash or pane	303/90
292/68	Locker latches	303/90
292/69	• Washing machine or stove closure latch	
292/70	. Weather strip and sash fastener combined	Wheel su
292/71	Refrigerator latches	305/00
292/72	• Starters	305/90
292/73	• Anti-rattlers	

Vehicle fenders

293/00	Vehicle fenders
293/01	• Pusher attachment for tractors
293/06	• Magnetic fender securing devices

Handling: hand and hoist-line implements

294/00	Handling: hand and hoist-line implements
294/901	Plate lifting clamp
294/902	Gripping element
294/903	Battery carrier
294/904	Vehicle carrier
294/905	. Wireless remote control device
294/906	Atomic fuel handler
294/907	Sensor controlled device

Land vehicles: bodies and tops

296/00	Land vehicles: bodies and tops
296/90	• Material
296/90101	. Plastic

Chairs and seats

297/00	Chairs and seats
297/01	• Foam
297/02	• Molded
297/03	• Pneumatic
297/04	• Wheelchair
297/05	• Fireproof
297/06	• Hook and loop type fastener
297/07	. Rocker/recliner
297/08	• Inflatable bellows
297/10	 Occupant-arising assist
297/11	• Baby bouncer

297/90	• Chair for suntanning in the prone, i.e. facedown
	position

Fluid-pressure and analogous brake systems

Fluid-pressure and analogous brake systems		
303/00	Fluid-pressure and analogous brake systems	
303/01	• Pressure comparison	
303/02	• Brake control by pressure comparison	
303/03	. Electrical pressure sensor	
303/04	Pressure signal used in electrical speed	
	controlled braking circuit	
303/05	Acceleration peak detection	
303/06	• Axle differential control	
303/07	• Small tyre digest	
303/08	• Antichatter	
303/09	Plural processors	
303/10	 Valve block integrating pump, valves, solenoid, accumulator 	
303/11	Accumulator	
303/12	• Air over hydraulic brake system	
303/90	• ABS throttle control	
303/901	• ABS check valve detail	
Wheel subst	itutes for land vehicles	
305/00	Wheel substitutes for land vehicles	
305/90	• Master link	
Electrical tra	ansmission or interconnection systems	
307/00	Electrical transmission or interconnection systems	
307/01	• Data transmitted over power lines	
	ľ	
Electrical generator or motor structure		
310/00	Electrical generator or motor structure	
310/02	. Hysteresis rotors and motors	
310/03	 Hall effect generators and converters 	
310/06	Printed-circuit motors and components	
310/80	• Piezoelectric polymers, e.g. PVDF	
Supports: ca	binet structure	
312/00	Supports: cabinet structure	
312/901	• Fan-out holders for recording media	
312/902	Carrying case	
Electric lam	p and discharge devices	
313/00	Electric lamp and discharge devices	
313/07	Bombardment induced conductivity	
Electric lamp and discharge devices: systems		
315/00	Electric lamp and discharge devices: systems	
315/01	• Fluorescent lamp circuits with more than two principle electrodes	
315/02	• High frequency starting operation for fluorescent lamp	
315/03	• Circuit for ion gauges and pressure gauges	
315/04	• Dimming circuit for fluorescent lamps	
315/05	• Starting and operating circuit for fluorescent lamp	
315/07	• Starting and control circuits for gas discharge lamp	
	using transistors	
Electricity: motive power systems		
318/00	Electricity: motive power systems	

. Windshield wiper controls

Electricity: battery or capacitor charging or discharging

320/00	Electricity: battery or capacitor charging or discharging
320/10	Nonbattery load controls charging
320/11	 Prioritized supply of power or power supply compensation
320/12	• Precharging analysis, e.g. determining presence of battery
320/13	• Fault detection
320/14	• Battery acts as buffer
320/15	• Polarity control
320/16	• Removal of memory effect in batteries
320/17	• Sensing of "gassing" voltage
320/18	• Indicator or display
320/19	• Charger status, e.g. voltmeter
320/20	• • Polarity
320/21	• State of charge of battery
320/22	. Line impedance, e.g. resistor
320/23	• Capacitor
320/24	. Inductor
320/25	• Optical coupler
320/26	• Button or hearing aid type
320/27	. Transformerless
320/28	• Regulating transformer, e.g. high leakage, ferro- resonant
320/29	Transformer having plural secondaries
320/30	• Plural transformers
320/31	• Plural rectifier systems
320/32	• Voltage divider having diverse elements other than merely plural resistors
320/33	Aircraft or spacecraft application
320/34	. Robot, hybrid, recreational or emergency vehicle
320/35	• Home power station
320/36	• Distribution system, e.g. railroad lighting
Electricity:	single generator systems

322/00	Electricity: single generator systems
322/02	. Generator field current-responsive systems
322/05	• Hall effects elements
322/06	• Ripple sensitive

Electricity: power supply or regulation systems

323/00	Electricity: power supply or regulation systems
323/901	Starting circuits
323/902	Optical coupling to semiconductor
323/903	• Precipitators
323/904	• Touch systems
323/905	Lamp dimmer structure
323/906	Solar cell systems
323/907	. Temperature compensation of semiconductor
323/908	. Inrush current limiters
323/909	• Remote sensing
323/91	. Two of three phases regulated
323/911	Medical electronics
Electricity: measuring and testing	

324/00	Electricity: measuring and testing
324/80	Divining rods

Oscillators

221/00	Oscillators
331/00 331/02	Phase locked loop having lock indicating or
331/02	detecting means
331/03	Logic gate active element oscillator
Inductor dev	ices
336/00	Inductor devices
336/01	• Superconductive
336/02	. Separable
Electrical res	ictors
338/00	Electrical resistors
338/01	. Worm gear drive
<u>Communicat</u>	ions: radio wave antennas
343/00	Communications: radio wave antennas
343/01	• with vibration damper or wind catcher
343/02	. Satellite-mounted antenna
Computer of	onking processing and coloctive viewal display
<u>computer gr</u> systems	aphics processing and selective visual display
•	
345/00	Computer graphics processing and selective visual display systems
345/901	• Electronic book with display
345/902	• Menu display
345/903	• Modular display
345/904	• Display with fail/safe testing feature
345/905	• Display device with housing structure
345/947	• Font character edge processing
345/948	• Alteration of stored fonts to maintain feature
	consistency throughout scaled font
345/949	Animation processing method
345/95	Sprite processing
345/951	Key frame processing
345/952	Simulation
345/953	Geometric processing
345/954	Quaternions
345/955	• • Morphing
345/956	. Language driven animation
345/957	Actor . Collision avoidance
345/958 345/959	
345/96	 Object path adherence Iterative display of preconfigured images
5-15/20	• • Refutive display of precomiguida images
Incremental	printing of symbolic information
347/00	Incremental printing of symbolic information
347/90	• Data processing for electrostatic recording
Television	
348/00	Television
348/901	• High speed television system
348/902	Photochromic
348/903	• including side panel information in single channel
348/904	• Separation or joining of side and center panels
348/905	• Reproduction of a color field or frame
348/908	Convertible circuits, e.g. y/c separation or noise reduction
348/909	 Noise responsive signal processing
348/909	Flicker reduction
5 10/ 21	· ·

Television

348/911	• Line doubler adapted for reproducing program originally from film, e.g. 24 frame per second
348/912	• Differential amplitude consideration, e.g. amplitude vs. frequency
348/913	• Letterbox, e.g. display 16:9 aspect ratio image on 4:3 screen
348/914	• Delay for equalization

Optics: image projectors

353/00	Optics: image projectors
353/01	. Slides stacked with surface to surface contact
353/02	Film strip
353/03	• Transparent
353/04	• Opaque
353/05	 Transparency holder accessories
353/06	Head accessories

Facsimile and static presentation processing

358/00	Facsimile and static presentation processing	
358/9011	• Fiber optics	
358/906	. Hand-held camera with recorder in a single unit	
358/907	 Track skippers, i.e. "groove skippers" 	
358/908	Pause control, i.e. "commercial killers"	
358/9091	. Electronic still camera or scene reproducer	

Optical: systems and elements

359/00	Optical: systems and elements	
359/90	• Methods	
359/901	Acoustic holography	
359/902	Holographic interferometer	
359/903	• with magnet	
359/904	Micromirror	
Dynamic magnetic information storage or retrieval		

360/00	Dynamic magnetic information storage or retrieval
360/90	Disk drive packaging
360/901	Access time
360/902	• • Storage density, e.g. bpi, tpi
360/903	• Physical parameter, e.g. form factor
360/904	Weight

Illumination

362/00	Illumination
362/80	Light emitting diode
362/801	• Bedroom lighting, e.g. modular combinations
362/802	 Position or condition responsive switch
362/803	Photo safe lamp
362/804	• Surgical or dental spotlight
362/805	Horticultural
362/806	. Ornamental or decorative
362/807	• • Star
362/808	Figure
362/809	Terrestrial globe
362/81	• • Imitation candle
362/811	Psychedelic lighting
362/812	• Signs
Agitating	

366/00 Agitating

366/01	• Micromixers: continuous laminar flow with laminar boundary mixing in the linear direction parallel to the fluid propagation with or without conduit geometry influences from the pathway
366/02	 Micromixers: segmented laminar flow with boundary mixing orthogonal to the direction of fluid propagation with or without geometry influences from the pathway
366/03	• Micromixers: variable geometry from the pathway influences mixing/agitation of non-laminar fluid flow
366/04	• Micromixers: with application of energy to influence mixing/agitation, e.g. magnetic, electrical, e-m radiation, particulate radiation, or ultrasound
366/60	Bodine vibrator
366/601	• Motor control
366/602	• Amalgam mixer, e.g. dental filling
366/603	Animal food mixer
366/604	• Lather maker
366/605	• Paint mixer
366/606	Tractor-mounted mortar mixing chamber
366/607	Chain-type stirrer
366/608	• Stirrer in mixing chamber side wall
Communications, electrical: acoustic wave systems and devices	
367/00	Communications, electrical: acoustic wave systems and devices
367/90	. Sonar time varied gain control systems

. Noise or unwanted signal reduction in nonseismic

367/91 . Portable sonar devices . Particular well-logging apparatus 367/911

. Collision avoidance

receiving system

. Speed of sound compensation

. Doppler compensation systems

. Side lobe reduction or shading . Airborne shock-wave detection

. Material level detection, e.g. liquid level

. Transmit-receive circuitry

. Coordinate determination

367/912 . . Particular transducer

Multiplex communications

367/901

367/902

367/903

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367/905

367/906

367/907

367/908

367/909

370/00	Multiplex communications
370/901	• Wide area network
370/902	Packet switching
370/903	Osi compliant network
370/904	Integrated Services Digital Network, ISDN
370/905	Asynchronous transfer mode, ASN
370/906	Fiber data distribution interface, FDDI
370/907	Synchronous optical network, SONET
370/908	Local area network
370/909	Token ring
370/91	Carrier sense multiple access, e.g. ethernet,
	10base-t
370/911	• • Bridge, e.g. brouter, bus extender
370/912	Packet communications
370/913	Wireless or radio
370/914	. Rate converter
370/915	• Time division cellular radio systems
370/916	. Multiplexer/demultiplexer

Coherent light generators

		379/917	. Voice m
372/00	Coherent light generators		
372/70	• Optical delay	Flexible bags	<u>s</u>
372/701	• Nozzle		
372/702	. Isotope	383/00	Flexible ba
372/703	• Optical isolater	383/901	• Hot wate
372/704	Summary reference	383/902	 having n
372/705	• Neat thing	383/903	• Stress re
		383/904	• Filling tu
Induced nuc	clear reactions: processes, systems, and elements	383/905	• Dead fol
376/00	Induced nuclear reactions: processes, systems, and	383/906	 Dispensi
	elements	383/907	• Peculiar,
376/90	• Particular material or material shapes for fission	383/908	. Material
	reactors		molecula
376/901	Fuel	Bearings	
376/902	• • • with external lubricating or absorbing material	<u>Dearnigs</u>	
376/903	Shapes	384/00	Bearings
376/904	Moderator, reflector, or coolant materials	384/90	. Cooling
376/905	Organic	384/901	• • Floatin
376/906	Metal	384/902	Porous
376/907	Dissociative coolants	384/903	Retain
376/908	• Reactor geometry, or part thereof, defined in terms	384/904	Propel
	of numerical values	384/905	Tempo
376/909	• Mobile reactors	384/9051	Cup-sl
376/91	• Rotating reactors	384/906	Antiro
376/911	• Plural reactor systems	384/907	Bearin
376/912	• Nuclear reactor systems situated in the ocean	384/9071	Jewel,
376/913	. Antimatter devices and methods	384/908	Nylon
376/914	• Nuclear explosives	384/909	Plastic
376/915	• Fusion reactor fuels	384/91	Powde
376/916	• Methods of making fusion fuel targets	384/911	includ
376/917	• Utilizing different fuels or fuels in different forms,	384/912	Metall
	in different reactor regions in relation to amounts of heat produced in said regions	384/913	• • Metall
376/918	• Entire reactor core of single integral structure	Optical wave	eguides

X-ray or gamma ray systems or devices

378/00	X-ray or gamma ray systems or devices
378/901	. Computer tomography program or processor

Telephonic communications

379/00	Telephonic communications
379/90	• Internet, e.g. Internet phone, webphone, internet- based telephony
379/901	. Virtual networks or virtual private networks
379/902	• Auto-switch for an incoming voice data, or fax telephone call, e.g. comp/fax/tel
379/903	• Password
379/904	Auto-calling
379/905	• Fax mail
379/906	Touchtone message transmission
379/907	• Speech recognition via telephone system or component
379/908	• Multimedia
379/909	. Alternatives
379/91	. Bar code or optical character reader with telephone
379/911	Distinctive ringing
379/912	Geographically adaptive
379/913	Person locator or person-specific
379/914	Programmable telephone component
379/915	Soft key

379/916	. Touch screen associated with telephone set
379/917	• Voice menus

383/00	Flexible bags
383/901	• Hot water or ice bag
383/902	 having nonbag use
383/903	• Stress relief
383/904	• Filling tube
383/905	• Dead fold, ductile, closure element
383/906	Dispensing feature
383/907	Peculiar, particular shape
383/908	• Material having specified grain direction or
	molecular orientation
<u>earings</u>	
384/00	Bearings
384/90	Cooling or heating
384/901	Floating bushing
384/902	Porous member
384/903	Retaining ring
384/904	• • Propeller shaft outer bearing
384/905	Temperature compensation
384/9051	• • Cup-shaped bearing
384/906	Antirotation key
384/907	Bearing material or solid lubricant
384/9071	• Jewel, glass, ceramic or carbon
384/908	• • Nylon or polytetrafluorethylene
384/909	• • Plastic
384/91	• • Powders
384/911	• • including fiber
384/912	• • Metallic
384/913	• • Metallic compounds

385/00	Optical waveguides	
385/90	. Solar collector or transmitter	
385/901	• Illuminating or display apparatus	
385/902	• Nonbundle fiberscope devices	
Electricity: motor control systems		
388/00	Electricity: motor control systems	
388/90	Specific system operational feature	

• Specific system operational feature
• • Sample and hold
Compensation
• Protective, e.g. voltage or current limit
Stored velocity profile
Armature and field windings connected in series,
i.e. series motor
Proportional-integral system
Specific control circuit element or device
Bridge circuit
Computer or microprocessor
• • Frequency to voltage converter
Monitoring means
Operational/differential amplifier
Phase locked loop
Pulse or frequency counter
• • Saturable reactor, space discharge device, or magnetic amplifier

388/914	Thyratron or ignitron
388/915	. Sawtooth or ramp waveform generator
388/916	Threshold circuit
388/917	• Thyristor or scr
388/918	Trigger by unijunction transistor
388/919	Triggered by resistor or capacitor
388/92	Chopper
388/921	Timer or time delay means
388/922	Tuned or resonant circuit
388/923	Specific feedback condition or device
388/924	• • Centrifugal device, e.g. governor
388/925	including contacts which open and close motor circuit
388/926	• • • Which controls a vacuum tube or solid-state device in motor circuit
388/927	Which varies resistance of motor circuit
388/928	Which controls position of commutator brushes
388/9281	. Counter or back emf, CEMF
388/929	• Fluid/granular material flow rate, pressure, or level
388/93	Load or torque
388/931	Electric generator or magnet as auxiliary load
388/932	• • • with reverse torque, e.g. braking
388/933	Radiant energy responsive device
388/934	• • Thermal condition
388/935	Specific application:
388/936	Food preparation equipment
388/937	• • Hand tool

Typewriting machines

nachines
mbol character
y rotating type-head
otor drive for web feed
otor drive for carriage feed
superscript character

Coating implements with material supply

401/00	Coating implements with material supply
401/01	Readily detachable lipstick cartridges
401/02	. Remote recording of writing
401/03	• Point shape

Binder device releasably engaging aperture or notch of sheet

402/00	Binder device releasably engaging aperture or notch of sheet
402/50	. Binder with tab or fastener for securing sheet
402/501	• Sheet retainer continuous with periphery of sheet notch
402/502	. Container with sheet retainer
402/503	• Binder device, sheet or depository including magnetic material
Toints and a	annations

Joints and connections

403/00	Joints and connections	
403/01	• Magnetic	
403/02	• Metal treatment	
403/03	 Load-responsive release 	
403/04	Quick release	
403/05	Carbon electrode	
403/06	Reciprocable ball detent	

403/07 403/08	Split ring stop or abutmentRadially acting cam or eccentric
403/09	Adjustable clamp
403/10	Readily disengageable panel joints
403/11	• Furniture type having a snap fit
403/12	• Furniture type having a rotatable fastener or fastening element that tightens connection
403/13	• Furniture type
403/14	. Resilient cinch, locking-catch or retainer type
403/15	• Splice plates for co-linear members

Cutting by use of rotating axially moving tool

408/00	Cutting by use of rotating axially moving tool
408/01	Bowling ball drill
408/70	• Cutting by use of ultrasonic energy
408/701	• Cutting by use of radiant energy, e.g. laser, maser
408/702	• Cutting by use of penumatic drive means
408/703	• Trepanning
408/704	• Drilling small holes
408/705	• Drilling deep holes
408/706	Drilling brake lining
408/707	• Drilling opening for bearing in connecting rod or
	piston
408/708	• Drilling opening for bearing in engine block
408/709	 Reboring piston receiving cylinder
408/71	. Safety device
408/711	• Adapter for broken tool
408/712	 Drill press adapted to use portable hand drill
408/713	 Tool having detachable cutting edge
408/714	• Resilient tool or tool-support

Gear cutting, milling, or planing

409/00	Gear cutting, milling, or planing
409/9001	• Machine button or locator
409/9002	Machine tool carriage clamp
409/901	Stereotype printing plate
409/902	• Tyre mold
409/903	• Work holder
409/904	• with hydrostatic bearing

Expanded, threaded, driven, headed, tool-deformed, or lockedthreaded fastener

411/00	Expanded, threaded, driven, headed, tool- deformed, or locked-threaded fastener
411/01	• Thread forming, reforming, or cleaning
411/02	Temperature modification
411/02	• Utilizing fluid pressure
411/90	Fastener or fastener element composed of plural different materials
411/901	• Core and exterior of different materials
411/902	Metal core
411/903	Resinous exterior
411/904	. Fastener or fastener element composed of
	nonmetallic material
411/905	• • Paper or wood
411/906	• • Leather or fabric
411/907	. Elastomeric
411/908	• • Resinous material
411/909	• Fastener or fastener element composed of thermo- responsive memory material
411/91	Antitamper means

411/911	One-way drive	411/963	Yielding interlocking washer
411/912	Antisplitting fastener	411/964	Detent
411/913	Self-expanding anchor	411/965	• • with retainer
411/914	• Coated bolt	411/966	••• Multiple, i.e. gang type
411/915	 Bolt having packing joint 	411/967	Deformable bolthead or nut
411/916	• Bolt having tension feature	411/968	• • • Deformable base member
411/917	• Nut having tension feature	411/969	Deformable retainer
411/918	• Threadless nut	411/97	Resilient retainer
411/919	 Screw having driving contacts 	411/971	And side lock
411/91	Steple Staple	411/972	Distorted
411/92	Multiple-pronged nail, spike or tack	411/972	
411/921 411/922	 Nail, spike or tack having locking device 	411/973	Gravity bolthead, nut or washerSide lock
411/923	• Nail, spike or tack having specific head structure	411/975	Rotatable washer
411/924	. Coupled nut and bolt	411/976	Bent tongue-locked
411/9241	Deformed	411/977	Pawl-locked
411/925	Top stop	411/978	Pawl and ratchet
411/926	. Positive lock	411/979	Resilient
411/927	Side	411/98	Automatic
411/928	Thread gripper	411/981	Coiled washer
411/929	Thread lock	411/982	Spring-tongued washer plate
411/9291	Coil spring	411/983	Inelastic tongue
411/9292	Distorted washer	411/984	Longitudinal
411/93	Flowing metal or settable material	411/985	Bolthead- or nut-held
411/931	Superposed nuts	411/986	Reversed bolthead or nut
411/932	Oppositely threaded	411/987	Side pin
411/933	Key or pawl locked	411/988	Spike-held locking plate
411/934	Side locked	411/989	Swinging
411/935	Cam or cone grip	411/99	Washer tongue-held
411/9351	• • • • Cam	411/991	Transversely sliding
411/936	Canted nut	411/992	Key, plate, or bar
411/937	Distorted nut	411/993	Bolthead- or nut-held
411/9371	• • • Predistorted thread pitch or diameter	411/994	Sliding washer
411/9372	Post-distorted thread pitch or diameter	411/995	Transversely swinging
411/938	Distorted thread	411/996	Transverse base-locking key
411/939	Longitudinal key	411/997	Longitudinal fastener
411/94	Radial key or gib	411/998	• with positive bolt lock
411/941	Side clutch	411/999	• with retainer, e.g. tether
411/9411	Spring	411/999	• with retainer, e.g. tether
411/9412	Roller	Bookbinding	<u>g: process and apparatus</u>
411/9412	Ball		
411/9413 411/942		412/00	Bookbinding: process and apparatus
	Tangential key	412/90	 Activating previously applied adhesive
411/943	. Flexible washer	412/901	• Pressure sensitive adhesive
411/944	• Flexible key	412/902	Heating and pressing
411/945	. Cross key		
411/946	Spring-seated	Material or	article handling
411/947	. Elastic-gripping action	414/00	Material or article handling
411/948	Longitudinal key	414/10	• Associated with forming or dispersing groups of
411/949	Rachet and bolt-carried pawl	11.010	intersupporting articles, e.g. stacking patterns
411/95	. Rachet and nut-carried pawl	414/101	• • with article-supporting fluid cushion
411/951	Flexible	414/102	 including support for group
411/952	Pivoted	414/102	• • • Vertically shiftable
411/953	Washer-carried pawl	414/104	Shifted by change in weight thereon
411/954	• • Wedged slotted bolt	414/105	Shifted by article responsive means
411/955	Locked bolthead or nut	414/103	
411/956	Automatic base clutch	414/100	to group
411/957	Biting tooth	414/107	• • • Recirculates emptied pallet or separator
411/958	Coiled washer	414/107	 . Recirculates employed panet of separator . including means for collecting emptied pallet or
411/959	Bolt- or nut-carried	414/108	separator
	Friction	44.4400	
411/96	• • • Fricult	<u>414/100</u>	Manual sten utilized
	• • • Procuon • • • Pawl and ratchet	414/109	• • Manual step utilized
411/96 411/961 411/962		414/109 414/11 414/111	 Manual step utilized Bricks Audio or video cassettes

414/112	• Group formed or dispensed by reversible apparatus
414/113	Nonconforming article diverted
414/114	Adjust to handle articles or groups of different
11 1/ 11 1	sizes
414/115	including article counter
414/116	• including control for pattern of group
414/117	• with means to apply adhesive to article
414/118	• having geneva drive for apparatus
414/119	• • with article flap deflector
414/12	• • including means pressing against top or end of
	group
414/121	Perforated article handling
414/122	. Remote control handlers
414/123	Hollow cylinder handlers
414/124	. Roll handlers
414/125	Combined or convertible implements
414/126	• Handlers with spring devices
414/127	. Handling vehicles with overhead guard for operator
414/128	• Handler-type toys
414/129	Shaft mucking machines
414/13	• Handlers utilizing parallel links
414/131	. Transmission-line guide for a shiftable handler
414/132	• Vehicle-carried storage member, e.g. portable silo
	and means for erecting member from attitude during
41.4/100	transport to position of intended use
414/133	• Handling device on tractor unit
414/134	• Handicapped person handling
414/135	• Associated with semiconductor wafer handling
414/136	• including wafer orienting means
414/137	 including means for charging or discharging wafer cassette
414/138	Wafers positioned vertically within cassette
414/139	including wafer charging or discharging means
	for vacuum chamber
414/14	Wafer cassette transporting
414/141	includes means for gripping wafer

Rotary kinetic fluid motors or pumps

415/00	Rotary kinetic fluid motors or pumps
415/90	Rotary blood pump
415/901	• Drilled well-type pump
415/902	Rotary pump turbine publications
415/903	• Well bit drive turbine
415/904	• Tool drive turbine, e.g. dental drill
415/905	• Natural fluid current motor
415/906	having specific features for water current
415/907	• • Vertical runner axis
415/908	Axial flow runner
415/909	. Air stack or shaft having natural fluid current motor
415/91	. Reversible between pump and motor use
415/911	• Pump having reversible runner rotation and separate outlets for opposing directions of rotation
415/912	 Interchangeable parts to vary pumping capacity or size of pump
415/913	. Inlet and outlet with concentric portions
415/914	• Device to control boundary layer
415/915	• Pump or portion thereof by casting or molding
415/916	Perpetual motion devices

Fluid reaction surfaces, i.e. impellers

416/00	Fluid reaction surfaces, i.e. impellers
416/01	• Stalker
416/02	• Formulas of curves
416/03	• Sheet metal
416/04	• Fluid current motor and generator
416/05	. Variable camber or chord length
416/06	. Supports for natural fluid current motors
416/07	• Inlet and outlet
416/08	• Stack or chimney with fluid motor
416/09	• Savonius
416/50	 Vibration damping features
416/501	• Fly brush type impeller

Pumps

417/00 Pumps

	-
417/01	• Materials digest
417/90	Slurry pumps, e.g. concrete
417/901	Cryogenic pumps
417/902	. Hermetically sealed motor pump unit
417/903	• Treadle operated
417/904	. Well pump driven by fluid motor mounted above
	ground

Rotary expansible chamber devices

418/00	Rotary	expansible	chamber	devices
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418/01 • Non-working fluid separation

Alloys or metallic compositions

420/00	Alloys or metallic compositions
420/90	 Hydrogen storage
420/901	Superconductive
420/902	Superplastic
420/903	Semiconductive

<u>Chemical apparatus and process disinfecting, deodorizing, preserving, or sterilizing</u>

422/00	Chemical apparatus and process disinfecting, deodorizing, preserving, or sterilizing
422/90	Decreasing pollution or environmental impact
422/901	Polymer dissolver
422/902	Sodium chloride and potassium chloride dissolver
422/903	Radioactive material apparatus
422/904	Nitrogen fixation means
422/905	 Miscellaneous liquid sterilization means
422/906	Plasma or ion generation means
422/907	Corona or glow discharge means
<u>Chemistry of</u>	f inorganic compounds
422/00	Chamister of increasing commons de
423/00	Chemistry of inorganic compounds
423/01	• Waste acid containing iron
423/01 423/02	Waste acid containing ironSulfuric acid
423/01 423/02 423/03	Waste acid containing ironSulfuric acidPapermaking liquor
423/01 423/02 423/03 423/04	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules
423/01 423/02 423/03 423/04 423/05	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules Automatic, including computer, control
423/01 423/02 423/03 423/04 423/05 423/06	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules Automatic, including computer, control Temperature control
423/01 423/02 423/03 423/04 423/05 423/06 423/07	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules Automatic, including computer, control Temperature control Isotope separation
423/01 423/02 423/03 423/04 423/05 423/06 423/07 423/08	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules Automatic, including computer, control Temperature control Isotope separation Corrosion or deposition inhibiting
423/01 423/02 423/03 423/04 423/05 423/06 423/07	 Waste acid containing iron Sulfuric acid Papermaking liquor Manganese marine modules Automatic, including computer, control Temperature control Isotope separation

423/11	High pressure	
423/12	Molten media	
423/13	Catalyst contact	
423/14	 Ion exchange; chelation or liquid/liquid ion extraction 	
423/15	. Comminution	
423/16	• Fluidization	
423/17	Microbiological reactions	
423/18	• Treating trash or garbage	
423/19	• Geothermal steam purification	
423/21	• Faujasite, e.g. X, Y, CZS-3, ECR-4, Z-14HS, VHP-R	
423/22	• MFI, e.g. ZSM-5. silicalite, LZ-241	
423/23	• Ferrierite, e.g. SR-D ZSM-33	
423/24	• LTA, e.g. A, alpha, ZK-4, ZK-21, ZK-22	
423/25	• Mordenite, e.g. NA-D, pttilolite, zeolon	
423/26	• Mazzite, e.g. ZSM-4, omega	
423/27	• Beta, e.g. NU-2	
423/28	• LTL, e.g. BA-G, L, AG-1, AG-2, AG-4, BA-6	
423/29	• MEL, e.g. ZSM-11	
423/30	• Alpo and sapo	
423/31	• Rho, e.g. ECR-10, LZ-214	
423/32	• Sodalite, e.g. HS, ultramarine	
423/33	• MTW, e.g. ZSM-12, NU-13, CZH-5, TPZ-3	
423/34	• Pentasils other than MFI and MEL, e.g. AZ-1, TZ-01, TZ-02, TRS, ZBM-10	
423/35	• TON, e.g. Theta-1, ISI-1, KZ-2, ZSM-22, NU-10	
423/36	• MTT, e.g. ZSM-23, ISI-1, KZ-1, EU-1, EU-4, EU-13	
423/37	LEV, e.g. levynik, ZMT-45, ZK-20, NU-3, LZ-132, LZ-133	
423/38	• Offretite, e.g. TMA offreite	
423/39	• Fullerene, e.g. c60, c70 derivative and related	
	process	
423/40	• Fullerene composition	
<u>Drug, bio-a</u>	ffecting and body treating compositions	
424/00	Drug, bio-affecting and body treating compositions	
424/01	Aerosol hair preparation	
424/02	• Resin hair settings	
424/03	• Hair bleach	
424/04	. Dandruff	
424/05	. Stick	Ы
424/06	. Chelate	P
424/07	. Microporous membranes	
424/08	• Systemic pesticides	
424/09	• Fish posts	
424/10	. Insect repellent	
424/11	• Termite treating	
424/12	• Fertilization attaching inhibition	
424/13	• Burn treatment	
424/14	Topical contraceptives and spermacides	
424/15	Suppositories Dendeimens and dendritie networks	
424/16	• Dendrimers and dendritic polymers	
424/80	• Antibody or fragment thereof whose amino acid sequence is disclosed in whole or in part	

sequence is disclosed in whole or in part
424/801 . involving antibody or fragment thereof produced by recombinant dna technology
424/802 . Antibody or antigen-binding fragment thereof that binds gram-positive bacteria

1	
424/804	• involving IgG3, IgG4, IgA, or IgY
424/805	• involving IgE or IgD
424/806	• involving IgM
424/807	Monoclonal
424/808	Human
424/809	 involving immunoglobulin or antibody fragment, e.g. fab', fv, fc, heavy chain or light chain
424/81	 involving autoimmunity, allergy, immediate
	hypersensitivity, delayed hypersensitivity,
	immunosuppression, immunotolerance, or anergy
424/811	• involving sex selection or contraception
424/812	. Liposome comprising an antibody, antibody
	fragment, antigen, or other specific or nonspecific immunoeffector
424/813	• Viral vaccine for bovine species, e.g. cattle
424/814	• Viral vaccine for ovine species, e.g. sheep
424/815	• Viral vaccine for porcine species, e.g. swine
424/816	• Viral vaccine for avian species, e.g. poultry or other
	birds
424/817	• Viral vaccine for fish
424/818	• Viral vaccine for canidae or mustelidae, e.g. dogs,
	foxes, minks
424/819	• Viral vaccine for feline species, e.g. cats
424/82	• Viral vaccine for equine species, e.g. horses
424/821	 involving temperature-sensitive mutant virus
424/822	 involving tk- virus
424/823	. Bacterial vaccine for bovine species, e.g. cattle
424/824	. Bacterial vaccine for ovine species, e.g. sheep
424/825	. Bacterial vaccine for porcine species, e.g. swine
424/826	. Bacterial vaccine for avian species, e.g. poultry or
	other birds
424/827	Bacterial vaccine for fish
424/828	 Bacterial vaccine for canidae or mustelidae, e.g. dogs, foxes, minks
424/829	• Bacterial vaccine for equine species, e.g. horses
424/83	• involving temperature-sensitive mutant bacterium
424/831	• involving capsular polysaccharide of bacterium, e.g.
	polyribosyl ribitol phosphate
424/832	• involving bacterial toxin that has modified amino
	acid sequence
424/90	• <u>In vivo</u> diagnostic or <u>in vivo</u> test agent which
	contains an additional ingredient to reduce the
	toxicity or side effects of the active ingredient
lastic artic	le or earthenware shaning or treating, annaratus

Plastic article or earthenware shaping or treating: apparatus

425/00	Plastic article or earthenware shaping or treating:
	apparatus
425/001	Accumulator
425/002	. Air support
425/003	• Appendage
425/004	Back pressure
425/005	. Cammed
425/007	. Coil
425/009	Cooling and color
425/01	Core positioning
425/011	Dental injection
425/012	Destructible mold and core
425/013	Electric heat
425/014	• Expansible and collapsible
425/015	• Explosive
425/016	• Extrude and mold
425/017	Filament stretching apparatus

425/019	• Flexible fluid pressure	425/124 . Rubber matrix
425/02	• Fluidized bed	425/125 . Sand mold
425/021	Frictional drive	425/126 . Silo mold
425/022	• Friction heat	425/127 . Spring
425/023	• Glazing	425/128 • Swinging top press
425/024	. Gora	425/129 . Wedge
425/025	• Gutter	425/13 . Wire reinforce
425/026	• High pressure	425/131 • Yielding plunger
425/027	• Hot water bottle	425/132 . Portable
425/028	. Impact	425/20 . Molding plants
425/029	• Jigs and dies	425/201 . Diverse stations
425/03	Laminated mold	425/202 . Earthenwave type
425/032	• Lipstick	425/203 . Control for blow molding apparatus
425/033	. Magnet	425/217 . Spinnerette forming conjugate, composite or hollow
425/034	• Morin	filaments
425/035	• Opposed plunger	425/218 . Pipe machine: socket forming apparatus
425/036	• Patching	425/219 . with stick inserting means for edible product
425/037	. Perforate	425/221 . Injection mold closing and locking clamp, wedge or
425/038	• Pre-form	retention means 425/223 Injection mold closing means utilizing variable
425/039	• Pre-heat	425/223 Injection mold closing means utilizing variable closing pressure
425/04	• Pulling wheel	425/224 . Injection mold nozzle valve
425/041	• Reshape	425/225 . Automatic control
425/042	• Ring	425/226 • Automatic control 425/226 • Actuated by contact with mold
425/043	. Rocket fuel core	425/227 • Injection nozzle; positioned flush with mold or
425/044	• Rubber mold	cavity
425/045	• Safety	425/228 Injection plunger or ram: transfer molding type
425/046	• Scrap	425/229 Injection mold runner valve
425/047	• Seal ring	425/22 • Hay wafering or pelletizing means
425/048	Sheet clamping	425/235 Calendar
425/049	• Spinnerette mixer	425/236 Attenuating
425/05	. Spray	425/237 Varying density foam
425/051	• Sprue removal	425/238 Boat hull mold
425/053	• Stretch	425/239 . Modular mold
425/054	• Through travel mold	425/24 . Pre-fab mold
425/055	• Polytetrafluoroethylene, i.e. PTFE	425/241 • Wall panel mold
425/056	• Telephone	425/242 . Pipe joint seal mold
425/057	Toy molding	425/243 • Extrusion or injection molding
425/058 425/059	• Undercut	425/244 . Die and matrix
425/059	United partsVacuum	425/245 . Heat
425/06	• Vacuum • Venetian blind	425/246 . Mold heating
425/101	Aggregate and pellet	425/247 . Multipart injection molds
425/101	Aggregate and penet Air ejection	425/248 Uniting
425/102	Brace	425/249 . Character
425/105	. Chamber	425/801 Button
425/107	Connection	425/802 . Cable tube or rod splicing
425/107	. Conveyor	425/803 . Candle or crayon
425/109	Frangible connections	425/804 . Capsule making
425/10	 Hangible connections Heated mold 	425/805 . Comb or brush
425/111	 Heated mold Hollow block 	425/806 Flash removal
425/111	Inflatable form	425/807 . Lace tipping
425/112	• Inner roll	425/808 . Lens mold
425/115	Lubricator	425/809 . Seal, bottle caps only
425/115	 Mold cleaning 	425/81 . Sound record
425/110	• Pallet	425/811 . Stencil
425/117	• Pallet feeder	425/812 . Venting
425/118	Perforated or porous	425/813 . Water bottle
425/11	Pottery appendage	425/814 . Zipper
425/121	Projection	425/815 • Chemically inert or reactive atmosphere
425/121	Reinforcing and aggregate	425/816 . Gas mask
425/122	. Repress	425/817 . Means molding pore formable material
. 20, 120	· · · · · · · · · · · · · · · · · · ·	425/8175 Continuous

425/818	. Belt
Food or edib	le material: processes, compositions, and products
426/00	Food or edible material: processes, compositions, and products
426/80	• Geriatric
426/801	• Pediatric
426/802	. Simulated animal flesh
426/803	• Simulated fruit or vegetable
426/804	• Low calorie, low sodium or hypoallergic
426/805	• Pet food for dog, cat, bird, or fish
426/806	• Salt or mineral substitute
426/807	• Poultry or ruminant feed
426/808	Starch base snack product
426/809	 including harvesting or planting or other numerous miscellaneous processing steps
426/81	• Energy rations, e.g. emergency rations, survival rations
426/811	• Utilizing surface parting, antistick or release agent
Coating pro	<u>cesses</u>
427/00	Coating processes
427/10	Chemical vapor infiltration, i.e. CVI
427/101	• Liquid Source Chemical Deposition, i.e. LSCVD or Aerosol Chemical Vapor Deposition, i.e. ACVD
427/102	• Fullerene type base or coating
427/103	• Diamond-like carbon coating, i.e. DLC
427/104	• Utilizing low energy electromagnetic radiation, e.g. microwave, radio wave, IR, UV, visible, actinic laser
427/105	• • Utilizing ion plating or ion implantation

427/105	• • Othizing for plating of for inplantation
427/106	• Utilizing plasma, e.g. corona, glow discharge,
	cold plasma

Stock material or miscellaneous articles

428/00	Stock material or miscellaneous articles
428/90	. Magnetic feature
428/901	Printed circuit
428/902	• High modulus filament or fiber
428/903	• Microfiber, less than 100 micron diameter
428/9033	Recycled materials
428/904	Artificial leather
428/9044	• Wall and shelf covering
428/905	Odor releasing material
428/906	• Roll or coil
428/9066	• Embroidery
428/907	. Resistant against plant or animal attack
428/9077	• Layer or article rendered light-transmissive by
	pressure, e.g. blushed
428/908	• Impression retention layer, e.g. print matrix, sound record
120/0000	100010
428/9088	• Wear-resistant layer
428/909	• Resilient layer, e.g. printer's blanket
428/91	 Product with molecular orientation
428/911	Penetration resistant layer
428/912	Puncture healing layer
428/9122	• Mirror
428/913	. Material designed to be responsive to temperature,
	light, moisture
428/9133	• Decorative article for viewing from one side only,

428/914	. Transfer or decalcomania
428/915	• Fraud or tamper detecting
428/916	• Fraud or tamper detecting
428/917	Electroluminescent
428/918	• Material abnormally transparent
428/919	Camouflaged article
428/92	. Fire or heat protection feature
428/921	• Fire or flameproofing
428/922	. Static electricity metal bleed-off metallic stock
428/923	Physical dimension
428/924	Composite
428/925	Relative dimension specified
428/926	Thickness of individual layer specified
428/9265	Special properties
428/927	Decorative informative
428/928	Magnetic property
428/929	Electrical contact feature
428/93	Electric superconducting
428/931	Components of differing electric conductivity
428/932	Abrasive or cutting feature
428/933	Sacrificial component
428/9335	Product by special process
428/934	Electrical process
428/935	Electroplating
428/936	Chemical deposition, e.g. electroless plating
428/937	Sprayed metal
428/938	• • • Vapor deposition or gas diffusion
428/939	Molten or fused coating
428/94	• • Pressure bonding, e.g. explosive
428/941	• • • Solid state alloying, e.g. diffusion, to

<u>Chemistry: electrical current producing apparatus, product, and process</u>

disappearance of an original layer

429/00	Chemistry: electrical current producing apparatus, product, and process
429/90	 Fuel cell including means for power conditioning, e.g. conversion to AC
429/901	• Fuel cell including means for utilization of heat for unrelated application, e.g. heating a building
<u>Radiation in</u> <u>thereof</u>	nagery chemistry: process, composition, or product

430/00	Radiation imagery chemistry: process,
	composition, or product thereof
430/001	• Electric or magnetic imagery, e.g., xerography,
	electrography, magnetography, etc. Process,
	composition, or product
430/10	Donor-acceptor complex photoconductor
430/101	Photoconductive powder
430/102	. Electrically charging radiation-conductive surface
430/103	Radiation sensitive composition or product
	containing specified antioxidant
430/104	• • One component toner
430/105	• • Polymer in developer
430/1053	. Imaging affecting physical property or radiation
	sensitive material, or producing nonplanar or
	printing surface - process, composition, or product: radiation sensitive composition or product or
	process of making binder containing
430/1055	• Radiation sensitive composition or product or
	process of making

e.g. plaque

430/106	Binder containing	430/163	Radiation-chromic compound
430/107	Polyamide or polyurethane	430/164	 Rapid access processing
430/108	• • • • Polyolefin or halogen containing	430/165	Thermal imaging composition
430/109	Polyester	430/166	• Toner containing
430/11	Vinyl alcohol polymer or derivative	430/167	• X-ray
430/111	Polymer of unsaturated acid or ester	430/168	X-ray exposure process
430/112	Cellulosic		
430/113	• • • • with plasticizer	Heating	
430/114	Initiator containing	122/00	TT (1
430/114	Cationic or anionic	432/00	Heating
430/115	Redox or dye sensitizer	432/50	• Tobacco barns
430/110	Free radical	Charry at any a	u ala andara biala an and mianakiala an
		<u>Chemistry: r</u>	<u>nolecular biology and microbiology</u>
430/118	•••• with inhibitor or stabilizer	435/00	Chemistry: molecular biology and microbiology
430/119	Hydroxyl or carbonyl group containing as sole functional groups	435/80	• Elimination or reduction of contamination by
430/12	Nitrogen compound containing	125/901	undersired ferments, e.g. aseptic cultivation
430/121	Nitrogen in heterocyclic ring	435/801	• Anerobic cultivation
430/122	Sulfur compound containing	435/802	Logarithmic growth phase
430/123	Sulfur in heterocyclic ring	435/803	• Physical recovery methods, e.g. chromatography,
430/124	Carbonyl compound containing	105/004	grinding
430/125	Carbonyl in heterocyclic compound	435/804	• Single cell protein
430/126	Halogen compound containing	435/805	• Test papers
430/127	Spectral sensitizer containing	435/806	• Fertility tests
430/127	Radiation-activated cross-linking agent	435/807	• Gas detection apparatus
430/128	containing	435/808	 Optical sensing apparatus
430/129	• Aerial films or processes specifically adapted for	435/809	. Incubators or racks or holders for culture plates or
430/129	aerial radiaion imagery		containers
430/13	Antibronze agent or process	435/81	 Packaged device or kit
		435/811	. Interferon
430/131	Anticurl layer	435/812	• Foam control
430/132	• Anti-ultraviolet fading	435/813	Continuous fermentation
430/133	Binder-free emulsion	435/814	• Enzyme separation or purification
430/134	Brightener containing	435/815	• • by sorption
430/135	. Cine film	435/816	• • by solubility
430/136	Coating process making radiation sensitive element	435/817	Enzyme or microbe electrode
430/137	Cobalt complex containing	435/818	 Aeration or oxygen transfer technique
430/138	Corona discharge process	435/819	 Fermentation vessels in series
430/139	• Defect coating	435/81	 Subcellular parts of microorganisms
430/14	Dimensionally stable material		 Microorganisms used in the destruction of
430/141	Direct positive material	435/821	hazardous or toxic waste
430/142	• Dye mordant	125/0215	
430/143	. Electron beam	435/8215	• Microorganisms
430/144	• Hydrogen peroxide treatment	435/822	• • using bacteria or actinomycetales
430/145	• Infrared	435/823	Acetobacter
430/146	• Laser beam	435/824	Achromobacter
430/147	Last beam Last and the second secon	435/825	Actinomadura
430/148	 Light sensitive titanium compound containing 	435/826	Actinomyces
430/148	 Light sensitive trainfull compound containing Lippmann 	435/827	Actinoplanes
430/149	Lippinann Lithographic emulsion	435/828	Aerobacter
430/151	 Matting or other surface reflectivity altering 	435/829	Alcaligenes
430/131	material	435/83	Arthrobacter
420/152		435/831	Azotobacter
430/152	• Making camera copy, e.g. mechanical negative	435/832	Bacillus
430/153	• Multiple image producing on single receiver	435/833	Bacillus brevis
430/154	• Neutron beam	435/834	Bacillus cereus
430/155	• Nonresinous additive to promote interlayer adhesion	435/835	Bacillus circulans
120/150	in element	435/836	Bacillus licheniformis
430/156	• Precursor compound	435/837	Bacillus megaterium
430/157	• interlayer correction coupler, ICC	435/838	Bacillus polymyxa
430/158	. Development inhibitor releaser, DIR	435/839	Bacillus subtilis
430/159	• Development dye releaser, DDR	435/84	Brevibacterium
430/16	. Blocked developers	435/841	Chainia
430/161	. Blocked restrainers	435/842	Clostridium
430/162	• Protective or antiabrasion layer	-135/042	• • • Crostitulum

435/843	Corynebacterium	435/904 Streptomyces rimosus
435/844	Corynebacterium diphtheriae	435/905 Streptomyces sparogenes
435/845	Corynebacterium poinsettiae	435/906 Streptomyces venezuelae
435/846	Corynebacterium pyogenes	435/907 Streptosporangium
435/847	Erwinia	435/908 Streptovirticillium
435/848	Escherichia	435/909 Vibrio
435/849	Escherichia coli	435/91 Xanthomonas
435/85	Flavobacterium	435/911 using fungi
435/851	Haemophilus	435/912 Absidia
435/852	Klebsiella	435/913 Aspergillus
435/853	Lactobacillus	435/914 Aspergillus awamori
435/854	Lactobacillus acidophilus	435/915 Aspergillus flavus
435/855	Lactobacillus brevis	435/916 Aspergillus fumigatus
435/856	Lactobacillus casei	435/917 Aspergillus niger
435/857	Lactobacillus plantarum	435/918 Aspergillus oryzae
435/858	Methylomonas	435/919 Aspergillus ustus
435/859	Micrococcus	435/92 Aspergillus wenti
435/86	Micrococcus flavus	435/921 Candida
435/861	Micrococcus glutamicus	435/922 Candida albicans
435/862	Micrococcus lysodeikticus	435/923 Candida lipolytica
435/863	Mycobacterium	435/924 Candida tropicalis
435/864	Mycobacterium avium	435/925 Cephalosporium
435/865	Mycobacterium fortuitum	435/926 Cephalosporium acremonium
435/866	Mycobacterium instantani	435/927 Cephalosporium caerulens
435/867	Micromonospora	435/928 Cephalosporium crotocinigenium
435/868	Micromonospora chalcea	435/929 Fusarium
435/868	Micromonospora purpurea	435/92 Husenula
435/809	Mycoplasma	435/93 Mucor
435/87	Neisseria	
435/871	Nocardia	435/932 Paecilomyces 435/933 Penicillium
435/873	Proteus	435/934 Penicillium brevi
435/874	• • Pseudomonas	435/935 Penicillium chrysogenum
435/875	Pseudomonas aeruginosa	435/936 Penicillium notatium
435/876	Pseudomonas fluorescens	435/937 Penicillium patulum
435/877	• • • Pseudomonas putida	435/938 Pichia
435/878	Rhizobium	435/939 Rhizopus
435/879	Salmonella	435/94 Saccharomyces
435/88	Serratia	435/941 Saccharomyces carlsbergensis
435/881	Serratia marcescens	435/942 Saccharomyces cerevisiae
435/882	Staphylococcus	435/943 Saccharomyces lactis
435/883	Staphylococcus aureus	435/944 Torulopsis
435/884	Staphylococcus epidermidis	435/945 Trichoderma
435/885	Streptococcus	435/946 using algae
435/886	Streptomyces	435/947 using protozoa
435/887	Streptomyces albus	435/948 using viruses or cell lines
435/888	Streptomyces antibioticus	435/961 . including a step of forming, releasing, or exposing
435/889	Streptomyces aureofaciens	the antigen or forming the hapten-immunogenic
435/89	Streptomyces aureus	carrier complex or the antigen <u>per se</u>
435/891	Streptomyces bikiniensia	435/962 Prevention or removal of interfering materials or
435/892	Streptomyces candidus	reactants or other treatment to enhance results, e.g.
435/893	Streptomyces chartreusis	determining or preventing nonspecific binding
435/894	Streptomyces diastatochromogenes	435/963 • Methods of stopping an enzyme reaction or
435/895	Streptomyces filipinensis	stabilizing the test materials
435/896	Streptomyces fradiae	435/964 including enzyme-ligand conjugate production, e.g.
435/897	Streptomyces griseus	reducing rate of nonproductive linkage
435/898	Streptomyces hygroscopicus	435/965 involving idiotype or anti-idiotype antibody
435/899	Streptomyces lavendulae	435/966 involving an enzyme system with high turnover rate
435/90	Streptomyces lincolnensis	or complement magnified assay, e.g. multi-enzyme
435/901	Streptomyces noursei	435/967 • Standards, controls, materials, e.g. validation
435/902	Streptomyces olivaceus	435/967 • Standards, controls, materials, e.g. validation studies, buffer systems
435/903	Streptomyces platensis	studies, bullet systems

. . . Streptomyces platensis

435/968	• High energy substrates, e.g. fluorescent,	438/90	Pully affact device making
433/908	chemiluminescent, radioactive	438/90	Bulk effect device making
435/969	• Multiple layering of reactants		Capacitive junction Comming layer
435/909 435/97		438/902	• Capping layer
435/971	• Test strip or test slide	438/903	• Catalyst aided deposition
435/971	. Capture of complex after antigen-antibody reaction	438/904	• Charge carrier lifetime control
	• Modified antibody, e.g. hybrid, bifunctional	438/905	• Cleaning of reaction chamber
435/973	. Simultaneous determination of more than one	438/906	• Cleaning of wafer as interim step
125/071	analyte	438/907	Continuous processing
435/974	• Aids related test	438/908	• • Utilizing cluster apparatus
435/975	. Kit	438/909	Controlled atmosphere
Chemistry: a	analytical and immunological testing	438/91	• Controlling charging state at semiconductor-
<u>enemistry e</u>		120/011	insulator interface
436/00	Chemistry: analytical and immunological testing	438/911	• Differential oxidation and etching
436/80	• Fluorescent dyes, e.g. rhodamine	438/912	• Displacing pn junction
436/801	• Electron dense compounds, e.g. ferritin	438/913	• Diverse treatments performed in unitary chamber
436/802	 Protein-bacteriophage conjugates 	438/914	• Doping
436/803	• Stabe free radicals, e.g. spin immunoassay	438/915	Amphoteric doping
436/804	. Radioisotope, e.g. radioimmunoassay	438/916	• Autodoping control or utilization
436/805	Optical property	438/917	• Deep level dopants, e.g. gold, chromium, iron or
436/806	Electrical property or magnetic property	100/010	nickel
436/807	 Apparatus included in process claim, e.g. physical 	438/918	• Special or nonstandard dopant
	support structures	438/919	Compensation doping
436/808	• • Automated or kit	438/92	• Controlling diffusion profile by oxidation
436/809	• • Multifield plates or multicontainer arrays	438/921	Nonselective diffusion
436/81	• • Tube, bottle, or dipstick	438/922	• • Diffusion along grain boundaries
436/811	. Test for named disease, body condition or organ	438/923	• • Diffusion through a layer
	function	438/924	• • To facilitate selective etching
436/812	Infectious mononucleosis	438/925	• Fluid growth doping control, e.g. delta doping
436/813	Cancer	438/926	Dummy metallization
436/814	. Pregnancy	438/927	 Electromigration resistant metallization
436/815	. Test for named compound or class of compounds	438/928	 Front and rear surface processing
436/816	. Alkaloids, amphetamines, and barbiturates	438/929	Eutectic semiconductor
436/817	Steroids or hormones	438/93	. Ternary or quaternary semiconductor comprised of
436/818	Human chorionic gonadotropin		elements from three different groups, e.g. I-III-V
436/819	• Multifunctional antigen or antibody	438/931	Silicon carbide semiconductor
436/82	. Hepatitis associated antigens and antibodies	438/932	Boron nitride semiconductor
436/821	 involving complement factors or complement 	438/933	. Germanium or silicon or Ge-Si on III-V
	systems	438/934	• Sheet resistance, i.e. dopant parameters
436/822	Identified hapten	438/935	. Gas flow control
436/823	. Immunogenic carrier or carrier per se	438/936	• Graded energy gap
436/824	Immunological separation techniques	438/937	. Hillock prevention
436/825	• Pretreatment for removal of interfering factors from	438/938	Lattice strain control or utilization
	sample	438/939	 Langmuir-blodgett film utilization
436/826	• Additives, e.g. buffers, diluents, preservatives	438/94	Laser ablative material removal
436/827	• Lectins	438/941	 Loading effect mitigation
436/828	• Protein A	438/942	• Masking
436/829	Liposomes, e.g. encapsulation	438/943	Movable
436/90	• Breath testing	438/944	• • Shadow
436/901	. Drugs of abuse, e.g. narcotics, amphetamine	438/945	• • Special, e.g. metal
436/902	• Dosimeter	438/946	• • Step and repeat
436/903	Diazo reactions	438/947	Subphotolithographic processing
436/904	Oxidation - reduction indicators	438/948	Radiation resist
436/905	Photochemical activation of reactions	438/949	Energy beam treating radiation resist on
436/906	• Fertility tests		semiconductor
436/907	• Fetal lung maturity	438/95	Multilayer mask including nonradiation
436/908	• Gravimetric analysis		sensitive layer
436/909	• Nephelometry	438/951	Lift-off
436/91	Iron-binding capacity of blood	438/952	Utilizing antireflective layer
		438/953	Making radiation resistant device
Semiconduct	tor device manufacturing: process	438/954	• Making oxide-nitride-oxide device
438/00	Semiconductor device manufacturing: process	438/955	• Melt-back
	Semiconductor device manufacturing, process	438/956	• Making multiple wavelength emissive device

438/957	• Making metal-insulator-metal device	439/922	. Telephone switchboard protector
438/958	• Passivation layer	439/923	Separation or disconnection aid
438/959	• Mechanical polishing of wafer	439/9241	Contacts arranged for sequential connection
438/96	Porous semiconductor	439/9242	• • with contact preventer to require joining in a
438/961	. Ion beam source and generation	120/025	given sequence
438/962	• Quantum dots and lines	439/925	• Floor mounted, e.g. under carpet
438/963	• Removing process residues from vertical substrate	439/926	• within machine casing or motor housing, connector
120/064	surfaces	439/927	within casing wall
438/964	• Roughened surface	439/927	Conductive gasketModular electrically interengaging parts, e.g.
438/965 438/966	• Shaped junction formation	437/720	stove with replaceable heating elements formed on
438/960 438/967	Selective oxidation of ion-amorphousized layerSemiconductor on specified insulator		coupling parts
438/968	Semiconductor on specified insulator Semiconductor-metal-semiconductor	439/9281	• Plug-in carrier or adapter for removable
438/969	 Semiconductor-metal-semiconductor Simultaneous formation of monocrystalline and 		component, e.g. "hard drive" for computer
430/909	polycrystalline regions	439/929	. Connecting base plate or shelf type holder
438/97	• Specified etch stop material	439/93	Coupling part wherein contact is comprised of a
438/971	• Stoichiometric control of host substrate composition		wire or brush
438/972	• Stored charge erasure	439/931	Conductive coating
438/973	Substrate orientation	439/932	• Heat shrink material
438/974	Substrate surface preparation	439/933	Special insulation
438/975	• Substrate or mask aligning feature	439/934	• High voltage barrier, e.g. surface arcing or corona
438/976	. Temporary protective layer	420/025	preventing insulator
438/977	. Thinning or removal of substrate	439/935 439/936	Glass or ceramic contact pin holder
438/978	. forming tapered edges on substrate or adjacent	439/930	• Potting material or coating, e.g. grease, insulative coating, sealant or, adhesive
	layers	439/937	Plural insulators in strip form
438/979	• Tunnel diodes	439/9381	Cathodic protection of structure, e.g. ship hull
438/98	• Utilizing process equivalents or options	439/939	• with grounding to metal mounting panel
438/981	• Utilizing varying dielectric thickness	439/94	• including provision for mechanical lifting or
438/982	• Varying orientation of devices in array		manipulation, e.g. for vacuum lifting
438/983	• Zener diodes	439/941	Crosstalk suppression
Electrical co	onnectors	439/942	Comblike retainer for conductor
439/00		439/943	• including provision for pressing contact into pcb
439/00 439/901	Electrical connectors . Connector hood or shell	120/011	hole
439/901	Angularly disposed contact and conductor	439/944	Coaxial connector having circuit-interrupting provision effected by mating or having "dead"
439/903	 Special latch for insert 		contact activated after mating
439/904	Multipart shell	439/945	Adapter for pcb or cartridge
439/905	Axially joined sections	439/946	• Memory card cartridge
439/906	Longitudinally divided	439/947	• PCB mounted connector with ground terminal
439/907	• Contact having three contact surfaces, including	439/948	• Contact or connector with insertion depth limiter
	diverse surface	439/949	. Junction box with busbar for plug-socket type
439/908	. Contact having two contact surfaces for electrical		interconnection with receptacle
	connection on opposite sides of insulative body	439/95	. Electrical connector adapted to transmit electricity
439/909	• Medical use or attached to human body		to mating connector without physical contact, e.g.
439/91	• Observation aide, e.g. transparent material, window	420/051	by induction, magnetism, or electrostatic field
420/011	in housing	439/951	PCB having detailed leading edgeJumper for use with specific apparatus
439/911	 Safety, e.g. electrical disconnection required before opening housing 	439/952 439/953	 with latch rod to be retainingly received by opening
439/912	• with testing means	437/933	of mating connector
439/912	 Condition determining device, e.g. oxygen sensor, 	439/954	Special orientation of electrical connector
100/010	accelerometer, ionizer chamber, thermocouple	439/955	 including electronic identifier or coding means
439/914	• for flashbulb or camera, including flash cube	439/956	• with means to allow selection of diverse voltage or
439/915	• Auxiliary device for existing plug		polarity
439/916	. Antenna	439/957	. Auxiliary contact part for circuit adaptation
439/917	· Alarm circuit, e.g. window affixed foil	.	
439/918	• Multilamp vehicle panel	Amusement	devices: toys
439/919	• for treatment by electrical current, e.g. magnet or	446/00	Amusement devices: toys
	battery charger, heater or welder	446/901	• Detachably adhesive
439/92	• for interconnecting rigid pipelike bodies, e.g. wave		
	guides	<u>Abrading</u>	
439/921	• Transformer bushing type or high voltage	- 0	

Abrading

Abrading

451/90	• Gear abrader
451/901	• Super finish
451/902	Brake abrading
451/903	• Egg cleaning
451/904	• Flexible abrasive storage reel
451/905	• Metal lap
451/906	. Machine element or unit
451/907	Strip feeding
451/908	Electrical abrading
451/909	• Wire polishing
451/91	• Ultrasonic
451/911	Tool mounting point
451/912	• Shoe abrading
451/913	Contour abrading
451/914	• Supporting, positioning, or feeding work
451/915	. Abrading wheel speed control
451/916	Abrading of brush bristle
451/917	• Abrading of scalloped cutting edge, e.g. bread knife
	sharpening
451/918	• Adjustable work support, e.g. by sine bar
451/919	• Wankel
451/92	• Tyre "rounding"
451/921	• Pad for lens shaping tool

Ventilation

454/00	Ventilation
454/90	• Ventilator using solar power
454/901	• Fog dispeller
454/902	• Air raid shelter ventilation
454/903	. Flexible ducts used for carrying air
454/904	. Magnetic means to hold a damper closed
454/905	Black out means
454/906	. Noise inhibiting means
454/907	• Seat
454/908	 having rotary retarder
454/909	Radon prevention

Crop threshing or separating

460/00	Crop threshing or separating		
460/901	• Material distributor		
460/902	Grain cleaner		
460/903	Grain saver		
460/904	• Potato digger		
460/905	• Straw or chaff stacker		
Books, strips, and leaves for manifolding			
462/00 Books, strips, and leaves for manifolding			

402/00	Dooks, surps, and leaves for mannorun
462/90	• Adhesive
462/901	• Pressure sensitive
462/902	Camouflage or nontransfer
462/903	. Security

Rotary shafts, gudgeons, housings, and flexible couplings for rotary shafts

464/00	Rotary shafts, gudgeons, housings, and flexible		
	couplings for rotary shafts		
464/90	Electrically insulative member		
464/901	Rapid attachment or release		
464/902	Particular material		
464/903	Nonmetal		

464/904 464/905 464/906	 Homokinetic coupling Torque transmitted via radially extending pin Torque transmitted via radially spaced balls 			
<u>Threaded, h</u>	Threaded, headed fastener, or washer making: process and			
<u>apparatus</u>				
470/00	Threaded, headed fastener, or washer making:			
	process and apparatus			
470/90	• Floating workholder			
470/901	• Pipe or rod workholder			
470/902	• Workholder index			

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Planetary gear transmission systems or components

475/00	Planetary gear transmission systems or			
	components			
475/90	• Brake for input or output shaft			
475/901	• Particular material			
475/902	Nonmetallic			
475/903	Stacked planetary gearing			
475/904	• Particular mathematical equation			
Friction gear	transmission systems or components			
476/00	Friction gear transmission systems or components			
476/90	Overload release			
Interrelated I	oower delivery controls, including engine control			
477/00	Interrelated power delivery controls, including			
	engine control			
477/90	Control signal is vehicle weight			
477/901	Control signal is slope			
477/902	Control signal is engine parameter other than			
	manifold pressure or fuel control			
477/903	Control signal is steering			
477/904	Control signal is acceleration			
477/905	Acceleration of throttle signal			
477/906	. Means detecting or ameliorating the effects of			
	malfunction or potential malfunction			
477/907	Redundant			
477/908	• In series transmission			
Exercise devi	<u>ces</u>			

482/00 Exercise devices 482/90 Ergometer with feedback to load or with feedback comparison 482/901 having computer circuitry 482/902 Employing specific graphic or video display 482/903 Utilizing electromagnetic force resistance

Exercise devices

482/904	. Removably attached to wheelchair, home	493/941	. Filter
	furnishing, or home structure	493/942	. Clean
482/905	• Arm wrestling	493/943	. Candy
482/906	• Utilizing opponent supplied resistance	493/944	. Apert
482/907	• Stretching	493/945	. Coin l
482/908	• Adjustable	493/946	• Phone
482/909	. Mechanical indicator	493/947	. File fo
482/91	• Portable exercise device with carrying handle, case,	493/948	. Ignitir
	or cabinet	493/949	. Electr
<u>Tool chang</u> i	nσ	493/95	. Lamp
<u>1001 chung</u>		493/951	• Seedli
483/00	Tool changing	493/952	• Photo
483/90	• Gripping portion engages tool simultanous with tool	493/953	• Stenci
492/001	rotating in spindle	493/954	. Spool
483/901	. Robot end effectors	493/955	• Decor
483/902	• Tool grippers	493/956	• • hav tree
Manufactu	ring container or tube from paper; or other	493/957	Fes
<u>manufactur</u>	ing from a sheet or web	493/958	Gar
493/00	Manufacturing container or tube from paper; or	493/959	• Toy o
493/00	other manufacturing from a sheet or web	493/96	• Toilet
493/901	Rigid container	493/961	. Tag, r
493/902	• Dished	493/962	. Closu
493/902	Insulated thermally	493/963	. Opene
493/904	Cushioned	493/964	• Pallet
493/905	 having window 	493/965	Flat
493/906	 having multilayer wall 	493/966	. Honey
493/907	• • Lined	493/967	. Dunna
493/908	Covered	493/968	. Struct
493/909	 having handle or suspension means 		
493/91	Cigarette container	<u>Imperforate</u>	bowl: cen
	· · cigarette container		
493/911	• • Flip-top	494/00	Imperfo
493/911 493/912	Flip-top having internal partition	494/00 494/90	Imperfo
493/912	having internal partition	494/90	• involv
	having internal partitionEgg container	494/90 494/901	involvinvolv
493/912 493/913 493/914	having internal partition	494/90	• involv
493/912 493/913	 having internal partition Egg container Eyeglass container 	494/90 494/901	involvinvolvinvolv
493/912 493/913 493/914 493/915 493/916	 having internal partition Egg container Eyeglass container Match container Pliable container 	494/90 494/901 494/902 <u>Composition</u>	 involv involv involv involv
493/912 493/913 493/914 493/915	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope 	494/90 494/901 494/902 <u>Composition</u> 501/00	 involv involv involv s: ceramic Composition
493/912 493/913 493/914 493/915 493/916 493/917	 having internal partition Egg container Eyeglass container Match container Pliable container 	494/90 494/901 494/902 <u>Composition</u>	 involv involv involv involv s: ceramic Compose Optica
493/912 493/913 493/914 493/915 493/916 493/917 493/918	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable 	494/90 494/901 494/902 <u>Composition</u> 501/00 501/90	involv involv involv involv s: ceramic Compos Optica ABBE
493/912 493/913 493/914 493/915 493/916 493/917 493/918 493/919	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window 	494/90 494/901 494/902 <u>Composition</u> 501/00 501/90 501/901	involv involv involv involv <u>involv</u> involv
493/912 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/919	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments 	494/90 494/901 494/902 Composition 501/00 501/90 501/901 501/902	involv involv involv involv s: ceramic Compos Optica ABBE . hav . hav
493/912 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert 	494/90 494/901 494/902 <u>Composition</u> 501/00 501/90 501/901	involv involv involv involv <u>involv</u> involv
493/912 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/921	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner 	494/90 494/901 494/902 Composition 501/00 501/90 501/901 501/902	involv involv involv s: ceramic Compos Optica ABBE . hav . hav . hav
493/912 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve 	494/90 494/901 494/902 Composition 501/00 501/90 501/901 501/902 501/903	 involv involv involv involv involv s: ceramic Compos Optica ABBE hav hav hav hav
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/923	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling 	494/90 494/901 494/902 Composition 501/00 501/900 501/901 501/903 501/903 501/904	 involv involv involv involv involv compose Optica ABBE hav hav hav nun Infr
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/923 493/924 493/925	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable 	494/90 494/901 494/902 Composition 501/00 501/901 501/901 501/902 501/903 501/904 501/905 501/906	 involv involv involv involv involv involv compose Optica ABBE hav hav hav hav hav nun Infr Ulta The
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923 493/924 493/925 493/926	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means 	494/90 494/901 494/902 Composition 501/00 501/901 501/902 501/903 501/903 501/904 501/905 501/906 Catalyst, sol	 involv involv involv involv involv involv compose Optica ABBE hav hav hav hav hav nun Infr Ulta The
493/912 493/913 493/913 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923 493/925 493/925 493/926 493/927	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable 	494/90 494/901 494/902 Composition 501/00 501/901 501/901 501/902 501/903 501/904 501/905 501/906	 involv involv involv involv involv involv compose Optica ABBE hav hav hav hav hav nun Infr Ulta The
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/923 493/925 493/926 493/927 493/928	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string 	494/90 494/901 494/902 Composition 501/00 501/90 501/901 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making	 involv involv involv involv involv involv sceramic Compose Optica ABBE ABBE hav hav hav hav hav hav nun Infr Ultu The id sorbent
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/923 493/925 493/925 493/927 493/928 493/929	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having tear strip having plural compartments 	494/90 494/901 494/902 Composition 501/00 501/901 501/902 501/903 501/903 501/904 501/905 501/906 Catalyst, sol	 involv involv involv involv involv involv second Optica ABBE ABBE ABBE ABV Aav
493/912 493/913 493/913 493/915 493/915 493/917 493/917 493/918 493/921 493/922 493/922 493/922 493/923 493/925 493/925 493/927 493/928 493/928 493/929 493/93	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having tear strip having plural compartments 	494/90 494/901 494/902 Composition 501/00 501/90 501/901 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making	 involv involv involv involv involv involv sceramic Compose Optica ABBE ABBE hav hav hav hav hav hav nun Infr Ultu The id sorbent
493/912 493/913 493/913 493/915 493/915 493/916 493/917 493/918 493/92 493/921 493/922 493/922 493/923 493/923 493/925 493/925 493/928 493/929 493/93	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having plural compartments having tear strip having plural compartments having plural compartments having plural compartments having plural openings having multilayer wall 	494/90 494/901 494/902 Composition 501/00 501/901 501/902 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00	 involv involv involv involv involv involv second Optica ABBE ABBE ABV Aav A
493/912 493/913 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923 493/925 493/925 493/926 493/927 493/928 493/929 493/931 493/931	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having plural compartments a with gear strip having plural compartments Parallelepiped or tetrahedron shape 	494/90 494/901 494/902 Composition 501/00 501/901 501/902 501/903 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00 502/50	 involv involv involv involv involv involv involv composition Optica ABBE ABBE hav h
493/912 493/913 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/925 493/925 493/925 493/926 493/927 493/928 493/929 493/931 493/931 493/932 493/933	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having plural compartments Auving tear strip having plural compartments Parallelepiped or tetrahedron shape Covering bag, e.g. garment protector 	494/90 494/901 494/902 Composition 501/00 501/901 501/903 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00 502/50 502/501	 involv involv involv involv involv involv onvolv Optica ABBE ABBE hav hav hav hav hav infr Ulti The id sorbent Gatalyst product Stabil
493/912 493/913 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/923 493/925 493/925 493/925 493/926 493/927 493/928 493/929 493/931 493/931 493/932 493/933	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having plural compartments Auving tear strip having plural compartments Group of the strip having plural compartments Kerlosable Out of the strip having plural compartments having plural compartments having plural compartments Kerlosable Covering bag, e.g. garment protector Square bottom 	494/90 494/901 494/902 Composition 501/00 501/901 501/903 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00 502/501 502/501	 involv involv involv involv involv involv involv optica ABBE ABBE hav hav hav hav hav hav infr Ultr The id sorbent Catalys product Stabil for Cys
493/912 493/913 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923 493/925 493/926 493/927 493/928 493/927 493/928 493/929 493/931 493/931 493/933 493/933	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with valve having tear strip having plural compartments Covering bag, e.g. garment protector Square bottom Textile 	494/90 494/901 494/902 Composition 501/00 501/901 501/901 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00 502/501 502/501 502/502 502/503	 involv involv involv involv involv involv involv optica ABBE ABBE hav hav hav hav hav hav nun Infr Ulti The Catalysis product Stabil for Cys Crus
493/912 493/913 493/913 493/914 493/915 493/916 493/917 493/918 493/919 493/92 493/921 493/922 493/922 493/923 493/925 493/925 493/927 493/928 493/927 493/928 493/929 493/931 493/931 493/933 493/934 493/935 493/936	 having internal partition Egg container Eyeglass container Match container Pliable container Envelope Expandable having window having plural compartments having integrally formed insert having liner with opening means, e.g. tear strip, valve Requiring external support during filling having mesh or window opening having handle or suspension means Reclosable with draw string with valve having plural compartments Auving tear strip having plural compartments Group of the strip having plural compartments Kerlosable Out of the strip having plural compartments having plural compartments having plural compartments Kerlosable Covering bag, e.g. garment protector Square bottom 	494/90 494/901 494/902 Composition 501/00 501/901 501/901 501/903 501/903 501/904 501/905 501/906 Catalyst, sol making 502/00 502/501 502/502 502/503 502/504	 involv involv involv involv involv involv involv compose Optica ABBE ABBE hav hav hav hav hav hav nun Infr Ulti Tho Ulti Tho to the set of the set

ning implement, e.g. brush, dust mop ly stick ture card or display device with window holder ograph record jacket folder ing fuse trical insulation p shade ling container o corner mount cil or outline guide)l oration article ving appearance of living plant, e.g. christmas ee stoon arland or amusement article et article marker, or label ure, e.g. tie string, valve ner, e.g. tear strip et at or "boat", e.g. for candy, crackers eycomb structure nage, wadding, stuffing, or filling excelsior ctural shape ntrifugal separators forate bowl: centrifugal separators lving mixture containing one or more gases lving mixture containing oil lving the use of mercury ic sitions: ceramic cal glass, e.g. silent on refractive index and/or E number ving R.I. at least 1.8 ving ABBE number at least 70 ving refractive index less than 1.8 and ABBE mber less than 70 frared transmitting or absorbing traviolet transmitting or absorbing norium oxide containing t, or support therefor: product or process of st, solid sorbent, or support therefor: t or process of making ilized multi-regenerability stallinity ush strength prasion resistance od of making inorganic composition utilizing nic compound, except formic, acetic, or oxalic acid or salt thereof

502/507	Synthetic resin, natural resin, polysaccaride, or polypeptide	505/701 505/702
502/508	• Sulfur containing organic compound	505/703
502/509	• • Nitrogen containing organic compound	
502/51	• Also containing hydroxyl bonded to carbon, e.g. carboxylic acid	505/704 505/705
502/511	• • • Two or more nitrogen atoms bonded to	505/705
502/511	different carbon atoms	505/725
502/512	Carboxylic acid or salt thereof other than formic, acetic, or oxalic acid	
502/513	Alcohol, phenol, or ether or metallate thereof	505/726
502/513	 Process applicable either to preparing or to 	505/727
502/514	regenerating or to rehabilitating catalyst or sorbent	505/728
502/515	Specific contaminant removal	505/729
502/516	Metal contaminant removal	505/73
502/517	Sulfur or sulfur compound removal	505/731 505/732
502/518	Carbonaceous contaminant	303/732
502/519	Reagent grade, e.g. ultra pure	505/733
502/52	• Suppressed side reactions	505/155
502/521	• Metal contaminant passivation	505/734
502/522	• Radiant or wave energy activated	505/751
502/523	• Miscellaneous specific techniques of general	505/735
	applicability	505/736
502/524	. Spinel	505/737
502/525	• Perovskite	505/738
502/526	• Sorbent for fluid storage, other than an alloy for	505/739
	hydrogen storage	
502/52711	• Monolith of peculiar structure or physical form,	505/74
	with specified heat exchange capability	505/741
502/52712	• Plural layers on a support, each layer having a	
502/50712	distinct function	505/742
502/52713	• More than two overlapping layers	505/775
502/52714	• Specified support particles of peculiar structure or physical form, e.g. whiskers, fiber pieces	505/776
502/52715	. Layered deposition on support particle, i.e. on a	505/777
	carrier particle	505/778
502/52716	• • Specified shape of support particle, e.g. hollow-	505/779
502/50717	carrier particle	
502/52717	• Specified cross-section shape or area of elongated support particles, e.g. tape, with area of cross	
	support particles, e.g. tape, with area of cross section stated	505/78
502/52718	• Monolith with specified gas flow patterns, e.g.	505/781
502/52/10	turbulent flow monolith	
502/52719	• Monolith with specified shape or dimension of cell	505/782
	opening, e.g. honeycomb, rings	505/782
502/5272	• Cell opening shape and dimensions are	505/783
	determined by the intersection of the woof and	505/785
	the warp of a woven structure, e.g. of a fabric or gauze	
502/52721	• Cell openings are quadrilateral or triangular, e.g.	505/786
	pie shaped	
502/52722	Cell openings are spiral or corrugated	
502/52723	. Specified external or internal shape or configuration	
	of catalyst reactor or of sorbent converter	505/80
502/52724	• Peculiar structure or physical form, e.g. foam,	505/801
	sponge, foil, sack, bag, fiber in a matrix, monolith,	505/802
	microstructure, microcracking, or microaggregates	505/803
Superconduc	tor technology: apparatus, material, process	505/804
-	wer wermong, uppuratus, material, process	505/805
505/00	Superconductor technology: apparatus, material,	505/806
	process	505/807
505/70	• High TC, above 30 k, superconducting device,	505/808
	article, or structured stock	505/809

505/701	• • Coated or thin film device, i.e. active or passive
505/702	Josephson junction present
505/703	Microelectronic device with superconducting
0001100	conduction line
505/704	
505/704	. Wire, fiber, or cable
505/705	Magnetic coil
505/706	Contact pads or leads bonded to superconductor
505/725	• Process of making or treating high tc, above 30 k,
	superconducting shaped material, article, or device
505/726	Measuring or testing of superconducting property
505/727	• • using magnetic field
505/728	• • Etching
505/729	• • Growing single crystal, e.g. epitaxy, bulk
505/73	. Vacuum treating or coating
505/731	Sputter coating
505/732	Evaporative coating with superconducting
	material
505/733	• Rapid solidification, e.g. quenching, gas-
	atomizing, melt-spinning, roller-quenching
505/734	• From organometallic precursors, e.g.
	acetylacetonates
505/735	• • • by sol-gel process
505/736	From free metal precursors
	-
505/737	• From inorganic salt precursors, e.g. nitrates
505/738	• • • by precipitating
505/739	Molding, coating, shaping, or casting of
	superconducting material
505/74	To form wire or fiber
505/741	Coating or casting onto a substrate, e.g. screen
505/741	printing, tape casting
505/742	
505/742	• Annealing
505/775	. High tc, above 30 k, superconducting material
505/776	• • Containing transition metal oxide with rare earth
	or alkaline earth
505/777	$\cdot \cdot \cdot Lanthanum, e.g. La_2CuO_4$
505/778	Alkaline earth, i.e. Ca, Sr, Ba, Ra
505/779	• • Other rare earth, i.e.
505/117	Sc,Y,Ce,Pr,Nd,Pm,Sm,Eu,Gd,Tb,Dy,Ho,Er,Tm,Yb,Lu
505 (5 0)	and alkaline earth, i.e. Ca,Sr,Ba,Ra
505/78	•••• Yttrium and barium-, e.g. YBa2Cu307
505/781	Noble metal, i.e. Ag, Au, Os, Ir, Pt, Ru,
	Rh, Pd or chromium, manganese, iron,
	cobalt or nickel
505/782	Bismuth-, e.g. BiCaSrCuO
505/783	Thallium-, e.g. Tl2CaBaCu308
505/784	Bismuth-, e.g. BaKBiO
	-
505/785	• Composition containing superconducting material
	and diverse nonsuperconducting material
505/786	 Manufacturing system or apparatus for making high
	temperature, i.e. tc greater than 30 k superconductor
	product, device, article or stock, i.e. which
	system or apparatus does not itself contain a
	superconducting component
505/80	• Material <u>per se</u> process of making same
505/801	• • Composition
505/801	Organic
	-
505/803	Magnetic
505/804	Amorphous alloy
505/805	Alloy or metallic
505/806	Niobium base, Nb
505/807	Powder
505/808	Liquid crystal
505/809	Ceramic

. Coated or thin film device, i.e. active or passive

505/01		505/061	
505/81	Compound	505/861	with josephson junction
505/811	Organic	505/862	••••• with thin film device
505/812	Stock	505/863	•••• Stable state circuit for signal shaping,
505/813	Wire, tape, or film		converting, or generating
505/814	Treated metal	505/864	••••• with josephson junction
505/815	• Process of making per se	505/865	•••• with josephson junction
505/816	••• Sputtering, including coating, forming, or	505/866	. Wave transmission line, network, waveguide, or
	etching		microwave storage device
505/817	forming josephson element	505/867	• • Electric power conversion system
505/818	Coating	505/868	Current conversion
505/819	Vapor deposition	505/869	• Power supply, regulation, or energy storage
		505/007	system
505/82	And etching	505/87	• • • including transformer or inductor
505/821	Wire	505/871	Magnetic lens
505/822	Shaping	505/872	Magnetic field shield
505/823	• • • Powder metallurgy		-
505/824	Battery, thermo or photo-electric	505/873	. Active solid-state device
505/825	• Apparatus <u>per se</u> , device <u>per se</u> , or process of	505/874	••• with josephson junction, e.g. squid
	making or operating same	505/875	• • • Combined with housing and cryogenic fluid
505/826	Coating	505 105 1	cooling
505/827	. Code converter	505/876	. Electrical generator or motor structure
505/828	Modulator, demodulator, or detector	505/877	Rotary dynamoelectric type
505/829	. Electrical computer or data processing system	505/878	• • • • with cooling
505/83	. Electrical pulse counter, pulse divider, or shift	505/879	Magnet or electromagnet
	register	505/88	Inductor
505/831	. Static information storage system or device	505/881	Resistance device responsive to magnetic field
505/832	Josephson junction type	505/882	Circuit maker or breaker
505/833	Thin film type	505/883	Housing and mounting assembly with plural
505/834	Plural, e.g. memory matrix		diverse electrical components
505/835	Content addressed, i.e. associative memory	505/884	Conductor
	type	505/885	Cooling, or feeding, circulating, or distributing
505/836	Location addressed, i.e. word organized		fluid; in superconductive apparatus
	memory type	505/886	Cable
505/837	Random access, i.e. bit organized memory	505/887	Conductor structure
000/00/	type	505/888	Refrigeration
505/838	• • • Plural, e.g. memory matrix	505/889	••• Utilizing rare earth material
505/839	Content addressed, i.e. associative memory	505/89	Heat pipe device
505/057	type	505/891	Magnetic or electrical effect cooling
505/84	Location addressed, i.e. word organized	505/892	Magnetic device cooling
000/01	memory type	505/893	Spectrometer
505/841	•••• Random access, i.e. bit organized memory	505/893	 Cyclic cryogenic system, e.g. sterling, gifford-
505/041	type	303/894	mcmahon
505/842	• Measuring and testing	505/205	with regenerative heat exchanger
505/843	• • Electrical	505/895	
505/844	Nuclear magnetic resonance, NMR, system	505/896	Special refrigerant compound
505/044	or device	505/897	Cryogenic media transfer
505/845	Magnetometer	505/898	Cryogenic envelope
505/845 505/846	using superconductive quantum	505/899	Method of cooling
303/840	interference device, i.e. squid	505/90	Heat exchange
505/017	Thermal	505/901	Heat pipe
505/847		505/902	• • Railway, e.g. rapid transit
505/848	. Radiant energy application	505/903	Suspension, e.g. magnetic, electrodynamic
505/849	Infrared responsive electric signaling	505/904	Guidance means, i.e. in addition to the track
505/85	. Protective circuit	505/905	Motor structure
505/851	Control circuit for electromagnetic device	505/906	Switching device, i.e. electrical not railway
505/852	Electric motor control		stock diverting
505/853	Oscillator	505/907	Support structure
505/854	with solid-state active element	505/908	Method of operation
505/855	Amplifier	505/909	Power plant
505/856	. Electrical transmission or interconnection system	505/91	Pump
505/857	Nonlinear solid-state device system or circuit	505/911	• Fluid reaction surface, i.e. impeller
505/858	Digital logic	505/912	• • Metal founding
505/859	Function of and, or, nand, nor or not	505/913	Casting process
505/86	Gating, i.e. switching circuit	505/914	using magnetic or electric field

505/915	Making composite product	516/01	• Wetting, emulsifying, dispersing, or stabilizing
505/916	Continuous casting		agents
505/917	Mechanically manufacturing superconductor	516/02	Organic and inorganic agents containing, except
505/918	• • • with metallurgical heat treating		water
505/919	Reactive formation of superconducting	516/03	• • Organic sulfoxy compound containing
	intermetallic compound	516/04	Protein or carboxylic compound containing
505/92	Utilizing diffusion barrier	516/05	Organic amine, amide, or n-base containing
505/921	Metal working prior to treating	516/06	. Protein or carboxylic compound containing
505/922	Making josephson junction device	516/07	• • Organic amine, amide, or n-base containing
505/923	Making device having semiconductive	516/90	. Liquid crystal material of, or for, colloid system,
	component, e.g. integrated circuit		e.g. g phase
505/924	Making superconductive magnet or coil	516/901	• Substantially pure carbon, e.g. graphite, lamp black,
505/925	Making superconductive joint		carbon black, fullerenes
505/926	Mechanically joining superconductive	516/902	Gelled emulsion
	members	516/903	• Two or more gellants
505/927	Metallurgically bonding superconductive	516/904	 Fermentation foam breaking or inhibiting
	members	516/905	• Agent composition per se for colloid system making
505/928	Metal deforming		or stabilizing, e.g. foaming, emulsifying, dispersing,
505/929	• • • by extruding		or gelling
505/93	• • • by drawing	516/906	• The agent contains organic compound containing
505/931	• Classifying, separating, and assorting solids using	51 < 10.0 5	silicon
	magnetism	516/907	• The agent contains organic compound containing
505/932	Separating diverse particulates	516/000	phosphorus, e.g. lecithin
505/933	in liquid slurry	516/908	The compound contains repeating -OCnH2n-, i.e. repeating unsubstituted oxyalkylene
Earth boring	<u>g, well treating, and oil field chemistry</u>	516/909	• The agent contains organic compound containing
			sulfoxy*
507/00	Earth boring, well treating, and oil field chemistry	516/91	The compound contains nitrogen, except if
507/901	 Organically modified inorganic solid 		present solely as NH4+
507/902	Controlled release agent	516/911	The compound contains -S[O2]NHH where
507/903	Crosslinked resin or polymer		substitution may be made for the hydrogen
507/904	• Process of making fluids or additives therefor	516/912	The compound contains -C[=O]NHH where
507/905	Nontoxic composition		substitution may be made for the hydrogen
507/906	Solid inorganic additive in defined physical form	516/913	• • • The compound contains -C[=O]OH or salt
507/907	. Indicating means, e.g. dye, fluorescing agent		thereof
507/91	• Earth boring fluid devoid of discrete aqueous phase	516/914	• The agent contains organic compound containing
507/92	. Biocidal		nitrogen, except if present solely as NH4+
507/921	 Specified breaker component for emulsion or gel 	516/915	The compound contains $-C[=O]$ NHH where
507/922	• Fracture fluid	51 (01)	substitution may be made for the hydrogen
507/923	Fracture acidizing	516/916	The compound contains repeating -OCnH2n-,
507/924	• • with specified propping feature	516/017	i.e. repeating unsubstituted oxyalkylene
507/925	Completion or workover fluid	516/917	• The agent contains organic compound containing
507/926	• Packer fluid	516/019	oxygen
507/927	. Well cleaning fluid	516/918	The compound contains carboxylic acid ester group
507/928	• • Spacing slug or preflush fluid	516/919	• • • The compound contains -C[=O]OH or salt
507/929	Cleaning organic contaminant	510/717	thereof
507/93	Organic contaminant is asphaltic	516/92	The compound contains repeating unsubstituted
507/931	Organic contaminant is paraffinic	510/72	oxyalkylene
507/932	Cleaning sulfur deposits	516/921	• Colloid systems having specified high purity, e.g.
507/933	 Acidizing or formation destroying 		ultra-pure silica
507/934	• • with inhibitor	516/922	• Colloid systems having specified particle size,
507/935	. Enhanced oil recovery		range, or distribution, e.g. bimodal particle
507/936	Flooding the formation		distribution
507/937	• • • with emulsion	516/923	Emulsion
507/938	• • • • with microemulsion	516/924	. Significant dispersive or manipulative operation or
507/939	Corrosion inhibitor		step in making or stabilizing colloid system
507/94	• Freeing stuck object from wellbore	516/925	Phase inversion
a b b b	, , , , , , , , , , , , , , , , , , ,	516/926	• • Phase change, e.g. melting
-	ems and wetting agents; subcombinations thereof;	516/927	• • <u>in situ</u> formation of a colloid system making or
processes of			stabilizing agent which chemical reaction
516/00	Colloid systems and wetting agents;	516/928	• • Mixing combined with non-mixing operation or
	subcombinations thereof; processes of		step, successively or simultaneously, e.g. heating,
			cooling, ph change, ageing, milling

516/929	• • Specified combination of agitation steps, e.g.	522/914	• • Wavelength of 200 nanometers or less
	mixing to make subcombination composition	522/915	• involving inert gas, steam, nitrogen gas, or carbon
	followed by homogenization		dioxide
516/93	Low shear followed by high shear		
516/931	High shear followed by low shear	<u>Synthetic re</u>	<u>sins or natural rubbers part of the class 520 series</u>
Synthetic res	sins or natural rubbers part of the class 520 series	524/00	Synthetic resins or natural rubbers part of the class 520 series
521/00	Synthetic resins or natural rubbers part of the	524/90	. Antigen-antibody
	class 520 series	524/901	• Electrodepositable compositions
521/901	Cellular polymer containing a carbodiimide	524/902	• Electrostatic spray
	structure	524/903	Aerosol compositions
521/902	Cellular polymer containing an isocyanurate	524/904	• Powder coating compositions
	structure	524/905	• Etch masking compositions
521/903	Cellular polymer having reduced smoke or gas	524/906	• Multipackage compositions
	generation	524/907	• Additive of specified shape other than fiber,
521/904	• Polyurethane cellular product having high resiliency		particle, or powder
	or cold cure property	524/908	• Composition having specified shape, e.g. rod, stick,
521/905	• Hydrophilic or hydrophobic cellular product		or ball, and other than sheet, film, or fiber
521/906	• Polyurethane cellular product containing unreacted flame-retardant material	524/909	 Reverse osmosis membrane compositions, e.g. desalinization
521/907	. Nonurethane flameproofed cellular product	524/91	Antistatic compositions
521/908	• Nucleating agent for cellular product	524/911	• Composition to apply to a substrate to be
521/909	Blowing-agent moderator, e.g. kickers		destaticized
521/91	• Plural blowing agents for producing	524/912	Contains metal, boron, phosphorus, or silicon
	nonpolyurethane cellular products	524/913	Contains nitrogen nonreactant material
521/911	• Surfactant for other than polyurethane cellular	524/914	Floor covering compositions
501/010	product	524/915	Carpet backing adhesives
521/912	• Separated reactive materials utilized in preparing	524/916	 Hydrogel compositions
521/913	cellular product	524/917	• Oil spill recovery compositions
	• Cell forming in absence of external heat	524/918	 Wood patching composition
521/914	• Polyurethane cellular product formed from a polyol which has been derived from at least two 1,2	524/919	• Metal patching composition, e.g. body solder
	epoxides as reactants	524/92	Coilable pipe compositions
521/915	• Utilizing electrical or wave energy during cell	524/921	. Elastic memory or heat shrinkable compositions
521/915	forming process	524/922	. Flocculating, clarifying, or fining compositions
521/916	Cellular product having enhanced degradability	524/923	• Treating or preparing a nonaqueous dispersion
521/917	• Specialized mixing apparatus utilized in cell		or emulsion of a solid polymer or specified
	forming process		intermediate condensation product
521/918	• Physical aftertreatment of a cellular product	524/924	• Treating or preparing a nonaqueous solution
521/919	. Sintered product		of a solid polymer or specified intermediate
521/92	• Cellular product containing a dye or pigment	524/025	condensation product
521/921	• Preparing a nonpolyurethane cellular particle from a nonparticulate material	524/925	• Natural rubber compositions having nonreactive materials, i.e. NRM, other than: carbon, silicon dioxide, glass titanium dioxide, water, hydrocarbon
Synthetic res	sins or natural rubbers part of the class 520 series	524/926	or halohydrocarbon
522/00	Synthetic resins or natural rubbers part of the class 520 series	524/920	Natural rubber broadly disclosed, nonclaimed
522/901	Dark storage stabilizer	Synthetic re	sins or natural rubbers part of the class 520 series
522/901	Air inhibition	-	_
522/902	. Removal of residual monomer	525/00	Synthetic resins or natural rubbers part of the
522/903	 Monomer or polymer contains initiating group 	505/001	class 520 series
522/905	Benzophenone group	525/901	• Radial block
522/906	Preparing shrinkable material	525/902	. Core-shell
522/907	 involving precursor of an ultraviolet absorber, e.g. 	525/903	• Interpenetrating network
522/701	monobenzoate	525/904	 Activation of preformed polymer in absence or monomer, for subsequent polymerization thereon,
522/908	• Dental utility		e.g. trapped radicals
522/909	• Solventless ink	525/905	• Polyphenylene oxide
522/91	• Treatment through an external filter or mask,	525/906	• Polysulfone
	nonphotograghic process	525/907	. Polycarbodiimide
522/911	• Specified treatment involving megarad or less	525/908	Polymer containing a hydantoin group

- 522/911 . Specified treatment involving megarad or less
- 522/912 . . Polymer derived from ethylenic monomers only
- 522/913 . Numerically specified distinct wavelength

• Polymer containing a hydantoin group

525/908

• Polymer from ethylenic monomers only, having

525/91

525/71	terminal unsaturation
525/911	• Polymer from ethylenic monomers only, having
525/911	terminal functional group other than unsaturation
525/912	• Polymer from nonethylenic monomers only, having
	pendant unsaturated group
525/913	• Polymer from monomers only having pendant
	glycidyl group
525/914	 Polymer from conjugated diene hydrocarbon or
	halohydrocarbons having more than 50 per cent 1,2-
	microstructure
525/915	• Polymer from monoethylenic cyclic hydrocarbon
525/916	• Polymer from ethylenic monomers only, having
525/017	cationic group
525/917	 Polymer from at least one nonethylenic monomer having cationic group
525/918	 Polymer prepared by cationic polymerization
525/919	 Ionomer resins, carboxylate salt-containing
525/919	copolymers
525/92	• Polyurethane having terminal ethylenic unsaturation
525/921	• Polyester having terminal ethylenic unsaturation
	other than polyesterurethanes
525/922	• Polyepoxide polymer having been reacted to yield
	terminal ethylenic unsaturation
525/923	Aminoplast having terminal ethylenic unsaturation
525/924	Phenoplast having terminal ethylenic unsaturation
525/925	• Polymer from at least one nonethylenic monomer
	having terminal ethylenic unsaturation other
	than polyurethanes, polyesters, polyepoxides,
525/026	aminoplasts, and phenoplasts
525/926	 Polyamide containing a plurality of oxyalkylene groups
525/927	 Polyamide admixed with oxyalkylene-containing
5251721	polymer
525/928	• Polyimide or polyamide-acid formed by
	condensation of a polyamine with a polycarboxylic
	acid having at least three carboxyl groups or
	derivatives thereof
525/929	• Polyimide formed by addition of polyamine to an
	unsaturated bis-imide
525/93	• Reaction product of a polyhydric phenol and
	epichlorohydrin or diepoxide, having a molecular weight of over 5,000, e.g. phenoxy resins
525/931	 Blend of stated incompatibility
525/932	 Blend of matched optical properties
525/933	Blend of limited gas permeability
525/934	 Powdered coating composition
525/935	• Matrix admixed with synthetic fiber
525/936	• Encapsulated chemical agent
525/937	• Utility as body contact e.g. implant, contact lens or
	I.U.D.
525/938	• Polymer degradation
525/939	• Multipackage system
525/94	• Hydrogenation of a polymer
525/941	• Polymer mixture containing block copolymer is
	mixed or reacted with chemical treating agent
525/942	• Polymer derived from nitrile, conjugated diene and
	aromatic co-monomers
Synthetic rea	sins or natural rubbers part of the class 520 series
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Synthetic resins or natural rubbers -- part of the class 520 series

526/00	Synthetic resins or natural rubbers part of the class 520 series

526/901	• Monomer polymerized in vapor state in presence of transition metal containing catalyst
526/902	• Monomer polymerized in bulk in presence of transition metal containing catalyst
526/903	• Monomer polymerized in presence of transition metal containing catalyst and hydrocarbon additive affecting polymer properties of catalyst activity
526/904	 Monomer polymerized in presence of transition metal containing catalyst at least part of which is supported on a polymer, e.g. prepolymerized catalysts
526/905	• Polymerization in presence of transition metal containing catalyst in presence of hydrogen
526/906	. Comminution of transition metal containing catalyst
526/907	• Specified means of reacting components of transition metal catalyst
526/908	Containing catalyst of specified particle size
526/909	• Polymerization characterized by particle size of product
526/91	Suspending agents
526/911	• Emulsifying agents
526/912	. Reaction medium purification
526/913	• Vapor phase polymerization in absence of transition metal containing catalyst
526/914	Polymer degradation
526/915	• Redox catalyst
526/916	• Interpolymer from at least three ethylenically unsaturated monoolefinic hydrocarbon monomers
526/917	 Manipulative processes involving a sulfur- containing treating agent
526/918	• Polymerization reactors for addition polymer preparation
526/919	 Catalyst injection technique in addition polymerization processes
526/92	 Apparatus for use in addition polymerization processes
526/921	• Time cycle used in addition polymerization process control
526/922	 Polymerization process of ethylenic monomers using manipulative technique
526/923	• Ethylenic monomers containing at least one salt group
526/93	• Water swellable or hydrophilic
526/931	• Pressure sensitive adhesive
526/932	. Thickener or dispersant for aqueous system
526/933	. Detergent property or lubricant additive
526/934	· Electrodeposit, e.g. electrophoretic, xerographic
526/935	• Hot melt adhesive
526/936	• Physiological use, e.g. pharmaceutical, veterinary, dental
526/937	Optical clarity
526/938	• Rubbery property
526/939	• Mositure proof or hydrophobic
526/94	• High softening temperature, e.g. exposure to boiling water, boilable
526/941	• having the transition metal bonded directly to carbon
526/942	• Polymerization in the presence of a liquid co2 diluent
526/943	• Polymerization with metallocene catalysts

S	vnthetic resins	or natural	rubbers	part of th	e class 520 series

528/00	Synthetic resins or natural rubbers part of the class 520 series
528/901	• Room temperature curable silicon-containing polymer
528/902	. Particulate material prepared from an isocyanate
528/903	• Polymerizing or processing an isocyanate under substantially anhydrous conditions
528/904	 Isocyanate polymer having stated hydrophilic or hydrophobic property
528/905	• Polymer prepared from isocyanate reactant has adhesive property
528/906	• Fiber or elastomer prepared from an isocyanate reactant
528/92	• Polymers useful for replacing hard animal tissues, e.g. dentures, bones
528/93	• Guayule rubber
528/931	• Physical treatment of natural rubber or natural rubber containing material or chemical treatment of non-rubber portion thereof, e.g. extraction of rubber from milk weed
528/932	Protein removal or conversion
528/933	Resin removal or conversion
528/934	Latex
528/935	• • Preserving or stabilizing
528/936	Coagulating
528/937	Concentrating, e.g. creaming

<u>Chemistry: natural resins or derivatives; peptides or proteins;</u> <u>lignins or reaction products thereof</u>

530/00	Chemistry: natural resins or derivatives; peptides
	or proteins; lignins or reaction products thereof
530/80	• Antihypertensive peptides
530/801	• Peptide sweetners
530/802	Chromogenic or luminescent peptides
530/806	 Antigenic peptides or proteins
530/807	. Hapten conjugated with peptide or protein
530/808	 Materials and products related to genetic
	engineering or hybrid or fused cell technology, e.g.
	hybridoma, monoclonal products
530/809	• Fused cells, e.g. hybridoma
530/81	• Carrier - bound or immobilized peptides or proteins
	and the preparation thereof, e.g. biological cell or
520/011	cell fragment as carrier
530/811	• Peptides or proteins is immobilized on, or in, an
530/812	inorganic carrier
550/812	• Peptides or proteins is immobilized on, or in, an organic carrier
530/813	Carrier is a saccharide
530/815	Cellulose or derivatives thereof
530/814	Carrier is a synthetic polymer
530/815	Attached to the carrier via a bridging agent
530/810	
550/817	• • • Entrapped within the carrier, e.g. gel, hollow fibre
530/82	Proteins from microorganisms
530/821	• • Separation of nucleic acid
530/822	• • Protozoa
530/823	. Lower fungi, e.g. mold
530/824	· · · Yeasts
530/825	. Bacteria
530/826	. Viruses
530/827	 Proteins from mammals or birds
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530/828	Cancer
530/829	Blood
530/83	Plasma; serum
530/831	Cohn fractions
530/832	• • Milk; colostrum
530/833	• • Whey; cheese
530/834	• • Urine; urinary system
530/835	Kidney
530/836	• • Mucus; mucous glands; bursa; arthral fluid; spinal fluid
530/837	Lymph; lymph-glands; thymus
530/838	. Marrow; spleen
530/839	Nerves; brain
530/84	• Bones; tendons; teeth; cartilage
530/841	Muscles; heart
530/842	• Skin; hair; nails; sebaceous glands; cerumen
530/843	• Digestive system
530/844	Stomach; intestine
530/845	Pancreas
530/846	Liver
530/847	Bile
530/848	. Lungs
530/849	• Eyes; vessels; umbilical cord
530/85	• Reproductive organs or embryos
530/851	Placenta; amniotic fluid
530/852	Sperm
530/853	Ovary; eggs; embryos
530/854	• • Glands
530/855	• Proteins from animals other than mammals or birds
530/856	Snakes; venom
530/857	 Fish; fish eggs; shell fish; crustacea
530/858	 insects; venom
530/859	Waste, waste material, refuse or sludge, e.g.
550,057	effluents, fecal matter
530/86	Renin inhibitors
530/861	 involving IgG3, IgG4, IgA, or IgY
530/862	• involving IgE or IgD
530/863	• involving IgM
530/864	• • Monoclonal
530/865	Human
530/866	• involving immunoglobulin or antibody fragment,
	e.g. fab', fab, fv, fc, heavy chain or light chain
530/867	• involving immunoglobulin or antibody produced via
	recombinant dna technology
530/868	• involving autoimmunity, allergy, immediate
	hypersensitivity, delayed hypersensitivity,
	immunosuppression, or immunotolerance
Organic con	pounds part of the class 532-570 series
534/00	Organic compounds part of the class 532-570
	series
534/01	• Mixtures of azo compounds
534/02	• Azo compounds containing chains of eight or more
	carbon atoms not provided for elsewhere in this class
534/03	• Polymeric azo compounds or azo compounds containing polymeric moieties
534/04	• Azo compounds which are lakes
534/05	• Azo compounds having utility other than as dyes
534/06	• Azo compounds containing -N[O]-N=, -N=S, or -
	SO_2N_3 groups

534/07	• Automatic and/or continuous temperature control in the preparation of azo compounds
534/08	• Elimination of groups during the preparation of azo compounds
534/09	 Azo compounds containing ternary sulfonium groups
534/10	• Azo compounds containing formaldehyde reaction product as the coupling component

Chemistry of hydrocarbon compounds

585/00	Chemistry of hydrocarbon compounds
585/8995	Catalyst and recycle considerations
585/90	Rehabilitation of H acceptor
585/901	• • with recycle, rehabilitation, or preservation of
	solvent, diluent, or mass action agent
585/902	Recycle of solvent and catalyst
585/903	• • with hydrocarbon recycle to control synthesis
	reaction, e.g. by cooling, quenching
585/904	• Catalyst rehabilitation by reversion from different
	compound
585/905	• • by-product conversion to feed
585/906	Catalyst preservation or manufacture, e.g. activation before use
585/909	. Heat considerations
	•
585/91	• Exploiting or conserving heat of quenching, reaction, or regeneration
585/911	• introducing, maintaining, or removing heat by
000//11	atypical procedure
585/912	Molten material
585/913	Electric
585/914	• • • Phase change, e.g. evaporation
585/919	• Apparatus considerations
585/92	. using apparatus of recited composition
585/921	• • using recited apparatus structure
585/922	Reactor fluid manipulating device
585/923	At reactor inlet
585/924	Reactor shape or disposition
585/925	Dimension or proportion
585/926	Plurality or verticality
585/929	Special chemical considerations
585/93	. Process including synthesis of nonhydrocarbon
	intermediate
585/931	Metal-, Si-, B-, or P-containing, e.g. Grignard
585/932	Carboxyl-containing, e.g. acid
585/933	N-containing
585/934	Chalcogen-containing
585/935	Halogen-containing
585/94	• • Opening of hydrocarbon ring
585/941	. Isotope exchange process
585/942	• Production of carbonium ion or hydrocarbon free-
505/042	radical
585/943	• Synthesis from methane or inorganic carbon
595/044	source, e.g. coal
585/944	Radiation-resistant composition
585/945 585/046	Product is drying oil Product is wayy polymor
585/946 585/947	Product is waxy polymer Terrene manufacture or recovery
	Terpene manufacture or recovery Miscellaneous considerations
585/949 585/95	 Miscentaneous considerations Prevention or removal of corrosion or solid
202/92	deposits
585/951	Reaction start-up procedure
585/952	Reaction start-up procedure Reaction stopping or retarding
5051752	• • Reaction stopping of retarding

• • Pulsed, sonic, or plasma process
• Exploiting mass-action phenomenon
• • Specified mixing procedure
Condition-responsive control and related
procedures in alicyclic synthesis and purification

Hazardous or toxic waste destruction or containment

585/953 585/954 585/955 585/956

588/00	Hazardous or toxic waste destruction or containment		
588/90	• Apparatus		
588/901	Compositions		
<u>Surgery</u>			
600/00	Surgery		
600/92	Method of making endoscopes		
600/921	• Manipulating image characteristics		
Surgery: kine	sitherapy		
601/00	Surgery: kinesitherapy		
601/01	• with thermal application		
601/02	• • with fluid supply		
601/03	• with electrical application		
601/04	• with magnetic application		
601/05	• with light application		
601/06	• Artificial respiration conforming to shape of torso		
601/07	• • Inflatable		
601/08	Artificial respiration with computer control		
601/09	including biological sensors		
601/10	• Artificial respiration combined with non-artificial		
	respiration therapy		
601/11	Artificial respiration using vibration frequency		
601/12	• Vibrator with computer control		
601/13	• including biological sensor		
601/14	• Vibrator applied to specific external body area		
601/15	• Head, face, neck, scalp		
601/16	Genital area		
601/17	• • Foot		
601/18	• Device with appplicator having specific movement		
	controlled by computer		
601/19	 including biological sensor 		
601/20	Flexible membrane caused to be moved		
601/21	 Kinesitherapy with computer control 		
601/22	Applicator having computer motion control		
601/23	• • including biological sensors		
Surgery: splin	nt, brace, or bandage		
602/00	Surgery: splint, brace, or bandage		
602/90	• Method of making bandage structure		
602/901	• Tubular bandage applicators		
602/902	 Antisnoring or mouth closing devices 		
602/903	• Surgical tape		
602/904	• Film-forming bandage material		
<u>Surgery</u>			
604/00	Surgery		
604/90	• Telltale showing entry of blood into body inserted		
004/20	conduit		
604/901	• Injection device with thermometer		
604/902	Suction wands		
604/903	• Medical container with material agitation means		

Surgery

604/904	• Tampons
604/905	• Aseptic connectors or couplings, e.g. frangible,
	piercable
604/906	Artificial insemination

Surgery

606/00	Surgery
606/90	. Lumbar stabilizer
606/901	Thoracic stabilizer
606/902	• Cortical plate specifically adapted for a particular
	bone
606/903	Cranial and facial plate
606/904	Jaw plate
606/905	• • Rib or sternum plate
606/906	• • Small bone plate
606/907	Composed of particular material or coated
606/908	Bioabsorbable material
606/909	Bone
606/91	Polymer
606/911	Memory material
606/912	Radiolucent material
606/913	Monolithic
606/914	. Toolkit for installing or removing spinal positioner
	or stabilizer
606/915	. Toolkit for installing or removing cortical plate
606/916	. Tool for installing or removing orthopedic fastener

Surgery: light, thermal, and electrical application

607/00	Surgery: light, thermal, and electrical application
607/90	• Substance abuse therapy
607/901	Cancer detection
607/902	. Fetal monitoring other than heart rate

<u>Prosthesis, i.e. artificial body members, parts thereof, or aids and accessories therefor</u>

623/00	Prosthesis, i.e. artificial body members, parts thereof, or aids and accessories therefor
623/90	. Stent for heart valve
623/901	
	• Method of manufacturing prosthetic device
623/902	• Method of implanting
623/903	. Blood vessel
623/904	Heart
623/905	Eye
623/906	Corneal
623/907	Method of manipulating parts of intraocular
	lens structure for implantation
623/908	Bone
623/909	• Method or apparatus for assembling prosthetic
623/91	Heart
623/911	Bone
623/912	• Method or apparatus for measuring or testing
	prosthetic
623/913	Heart
623/914	Bone
623/915	• Method or apparatus for preparing biological
	material
623/916	Blood vessel
623/917	Collagen
623/918	Heart
623/919	• • Bone
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•	Method or apparatus for preparing or treating
	prosthetic
•	Blood vessel

623/922	• • Heart
623/923	Bone
623/924	 Material characteristic
623/925	Natural
623/926	• • Synthetic

623/92

623/921

Data processing: generic control systems or specific applications

700/00	Data processing: generic control systems or specific applications	
700/90	• Special robot structural element	

Data processing: financial, business practice, management, or cost/price determination

705/00	Data processing: financial, business practice, management, or cost/price determination
705/901	Digital rights management
705/902	Licensing digital content
705/903	• • • Adding plural layer of rights or limitations by other than the original producer
705/904	• • Usage protection of distributed files
705/905	Hardware usage protection
705/906	• • Requiring a supplemental attachment or input, e.g. Dongle, to open
705/907	Specific computer id, e.g. serial number, configuration
705/908	Software or content usage protection
705/909	• • Usage charge determination
705/91	including third party for collecting or distributing payment, e.g. Clearing house
705/911	• • Copy protection or prevention
705/912	• • • having origin or program id
Data processi	ing: artificial intelligence
706/00	Data processing: artificial intelligence
706/90	• Fuzzy logic
706/902	• Application using ai with detail of the ai system
706/903	• Control
706/904	• • Manufacturing or machine, e.g. agricultural machinery, machine tool
706/905	Vehicle or aerospace
706/906	Process plant
706/907	Power plant
706/908	Electronic or computer, internal or network, circuit
706/909	Communication
706/91	Elevator
706/911	Nonmedical diagnostics
706/912	• • • Manufacturing or machine, e.g. agricultural machinery, machine tool
706/913	Vehicle or aerospace
706/914	Process plant
706/915	• • • • Power plant
706/916	• • Electronic or computer, internal or network, circuit
706/917	Communication
706/918	Elevator
706/919	• • Designing, planning, programming, CAD, CASE
706/92	Simulation

706/921	Layout, e.g. circuit, construction	707/954	Relational
706/922	Computer program preparation	707/955	Object-oriented
706/923	Construction	707/956	Hierarchical
706/924	• • Medical	707/957	Multidimensional
706/925	Business	707/958	• • Data cubes
706/926	Time management	707/959	• • Network
706/927	. Education or instruction	707/96	Object-relational
706/928	• Earth science	707/961	. Associative
706/929	Geological, e.g. seismology	707/962	• • Entity-attribute-value
706/93	Environment	707/963	• • Hybrid
706/931	Weather	707/964	• Database arrangement
706/932	• • Mathematics, science, or engineering	707/965	Standalone
706/933	. Law, law enforcement, or government	707/966	• • Distributed
706/934	. Information retrieval or Information management	707/967	Peer-to-peer
		707/968	Partitioning
Data process	sing: database and file management or data	707/969	Horizontal partitioning
structures		707/97	Vertical partitioning
707/00	Determiner detabase and file more server to a	707/971	Federated
707/00	Data processing: database and file management or	707/972	Partitioning
707/012	data structures	707/973	Horizontal partitioning
707/912	• Applications of a database	707/974	Vertical partitioning
707/913	• • Multimedia	707/974	Portable database architecture
707/914	Video		
707/915	Image	707/99931	e
707/916	Audio		• Access augmentation or optimizing
707/917	Text		• Query processing, i.e. searching
707/918	. Location	707/99934	• • • Query formulation, input preparation, or
707/919	Geographic	707/00025	translation
707/92	Navigation	/0//99935	• • • Query augmenting and refining, e.g. inexact
707/921	Spatial	707/00026	access
707/922	Communications		• • Pattern matching access
707/923	. Intellectual property	707/99937	• Sorting
707/924	Patent procedure	707/99938	• Concurrency, e.g. lock management in shared
707/925	•••• Drafting an application	707/00020	database
707/926	•••• Drafting drawing or figures		• Privileged access
707/927	• • • Validation	707/9994	Distributed or remote access
707/928	Electronic submission	707/99941	• Database schema or data structure
707/929	Docketing	707/99942	• Manipulating data structure, e.g. compression,
707/93	intellectual property analysis	707/00042	compaction, compilation
707/931	Patent comparison	707/99943	Generating database or data structure, e.g. via user interface
707/932	Infringement detection	707/00044	
707/933	Citation analysis	707/99944	Object-oriented database structure
707/934	Analyzing patent activity	707/99945	• • • Object-oriented database structure processing
707/935	Company or stock valuation	707/99946	• • • Object-oriented database structure network
707/936	for use in research and development	707/99947	• • • Object-oriented database structure reference
707/937	intellectual property searching	707/99948	• Application of database or data structure, e.g.
707/938	intellectual property markets	707/00051	distributed, multimedia, or image
707/939	Idea solicitation	707/99951	• File or database maintenance
707/94	. Infrastructure		• Coherency, e.g. same view to multiple users
707/941	. Human sciences		Recoverability
707/942	Legal/academic		Version management
707/943	. News		• • Archiving or backup
707/944	Business related		• File allocation
707/944	Contract negotiation	707/99957	Garbage collection
707/945	Real estate	Deter	· · · · · · · · · · · · · · · · · · ·
707/948	Human resources		ing: presentation processing of document, operator
		interface pro	cessing, and screen saver display processing
707/948	Product or catalog	715/00	Data processing: presentation processing of
707/949	Inventory		document, operator interface processing, and
707/95	. Financial		screen saver display processing
707/951	• Calendar or scheduling	715/961	• Operator interface with visual structure or function
707/952	. Malicious software		dictated by intended use
707/953	Organization of data	715/062	Operator interface for marketing or sales

715/962

. Operator interface for marketing or sales

Data processing: presentation processing of document, operator interface processing, and screen saver display processing

715/963	Calendar or scheduling
715/964	• • CAD or CAM, e.g. interactive design tools
715/965	• • for process control and configuration
715/966	Computer process, e.g. operation of computer
715/967	• • • • Visual or iconic programming
715/968	interface for database querying and retrieval
715/969	Network layout and operation interface
715/97	• • Instrumentation and component modelling, e.g. interactive control panel
715/9701	• • Amusement or marital aid interface
715/971	• Cooperative decision support systems for group of users
715/972	. Inserted real-time video in operator interface
715/973	• Scroll tool, e.g. window scroll bar
715/974	• Slider control as on-screen object in operator interface
715/975	• Pop-up dialog box for entry
715/976	• 3-D Icon
715/977	• Dynamic icon, e.g. animated or live action
715/978	. Audio interaction as part of an operator interface

<u>Robots</u>

Debots		• Evaluates biometrics
		Means to read data stored on identifier*
		• • • And to verify identity of user*
		• Image processor, e.g. video camera
		Means to identify counterfeit money
Manual lead through Machine driven lead through	902/08	 Terminal* with means permitting deposit or withdrawal, e.g. ATM
Communication with another machine	902/09	• • with secure receptacle, e.g. safe, depository
Conveyor	902/10	Remote from terminal
Robot	902/11	And value discriminator
Closed loop, sensor feedback controls arm movement	902/12	• • Serving as both depository and source for, e.g. note dispencing recycling
Sensor physically contacts and follows work	902/13	Dispensing, e.g. money cassette
contour	902/14	• • with cash dispenser
Mechanically actuated present limit	902/15	including currency feeder
Cam	902/16	Sensitive to erroneous passage of plural bills
Limit switch	902/17	• • with particular feeder or counter feature
Arm movement, spatial	902/18	• • with printer
• • Jointed arm	902/19	And page turner
Cartesian, three degrees of freedom	902/20	• • with specific data input means, e.g. keyboard
Cylindrical	902/21	• with specific data output means or indicator
Spherical	902/22	• Terminal* registers transaction*, e.g. point of sale
• Drive system for arm		terminal*
• • with provision for altering speed of driven	902/23	• for entertainment, amusement, or gambling
element	902/24	• for use with general purpose terminal*, e.g. home
Flaccid drive element		banking
Fluid motor	902/25	• Specific identifier*, e.g. bank card
Electric motor	902/26	including semiconductor chip, e.g. smart card
Stepper motor	902/27	• • Magnetically encoded
Gearing	902/28	Designed to resist counterfeiting
including bevel gear	902/29	Specific process of manufacture
• Arm part	902/30	• Support or enclosure, e.g. kiosk
Joint	902/31	• Selectively prevents access to terminal*
Wrist	902/32	• • for plurality of terminals*
• End effector	902/33	. for drive-in installation
Gripping jaw	902/34	• • Collapsible
Servo-actuated	902/35	. Accommodates user, i.e. walk-in enclosure
Tactile sensor	902/36	• Paper supply, e.g. receipt
force feedback	902/37	• System*
Proximity	902/38	. Error or fault recovery
	 Communication with another machine Conveyor Robot Closed loop, sensor feedback controls arm movement Sensor physically contacts and follows work contour Mechanically actuated present limit Cam Limit switch Arm movement, spatial Jointed arm Cartesian, three degrees of freedom Cylindrical Spherical Drive system for arm with provision for altering speed of driven element Flaccid drive element Fluid motor Electric motor Stepper motor Gearing including bevel gear Arm part Joint Wrist End effector Gripping jaw Servo-actuated Tactile sensor force feedback 	. Mobile robot902/05. Arm motion controller902/06. Teaching system902/07. Manual lead through902/08. Machine driven lead through902/09. Machine driven lead through902/09. Communication with another machine902/09. Conveyor902/11. Cosed loop, sensor feedback controls arm movement902/12. Sensor physically contacts and follows work contour902/13. Mechanically actuated present limit902/15. Cam902/16. Limit switch902/17. Arm movement, spatial902/18. Jointed arm902/20. Cylindrical902/22Drive system for arm902/22. Flaccid drive element902/23. Flaccid drive element902/23. Electric motor902/25. Electric motor902/26. Stepper motor902/27. Gearing902/28. Joint902/23. Stepper motor902/23. Stepper motor902/23. Joint902/30. Joint902/31. Stepper motor902/31. Stepper motor902/31. Stepper motor902/31. Stepper motor902/31. Stepper motor902/31. Joint902/31. Stepper motor902/32. Find effector902/32. Foro-actuated902/31. Stervo-actuated902/32. Foring jaw902/34. Servo-actuated9

. Protective device

Electronic funds transfer

decryption

. with electronic means providing security

. . Protects transmitted data, e.g. encryption or

. Miscellaneous

901/49

901/50

902/00

902/01

902/02

902/39	Particular communication feature Transaction* processing	
902/40	• Transaction* processing	
902/41	. Miscellaneous	
ybrid elect	ric vehicles, HEVS	
903/00	Hybrid electric vehicles, HEVS	
903/902	. Prime movers comprising electrical and internal	
	combustion motors	
903/903	• • having energy storing means, e.g. battery,	
	capacitor	
903/904	Component specially adapted for hev	
903/905	Combustion engine	
903/906	Motor or generator	
903/907	Electricity storage, e.g. battery, capacitor	
903/908	Fuel cell	
903/909	Gearing	
903/91	• • • • • Orbital, e.g. planetary gears	
903/911	••••• with two or more gear sets	
903/912	Drive line clutch	
903/913	One way	
903/914	• • • • Actuated, e.g. engaged or disengaged by electrical, hydraulic or mechanical means	
903/915	• • • • Specific drive or transmission adapted for hev	
903/916	••••• with plurality of drive axles	
903/917	with transmission for changing gear ratio	
903/918	Continuously variable	
903/919	Stepped shift	
903/93	Conjoint control of different elements	
903/944	Characterized by control of fuel cell	
903/945	• • Characterized by control of gearing, e.g. control of transmission ratio	
903/946	• • Characterized by control of driveline clutch	
903/947	 Characterized by control of braking, e.g. 	
	blending of regeneration, friction braking	
903/951	Assembly or relative location of components	
903/952	Housing details	
903/96	• • • having chargeable mechanical accumulator	

Peptide or protein sequence

930/00	Peptide or protein sequence
930/01	• Peptide or protein sequence
930/02	Containing modified or unusual amino acid
930/021	Containing D-amino acid
930/022	Containing radioactive atom
930/023	Containing halogen
930/024	Containing sulfur
930/025	Containing heavy metal or salt thereof
930/03	Linear peptide or protein containing a nonpeptide
	or abnormal peptide link
930/031	Retro-inverted
930/04	Angiotensin; related peptides
930/05	Atrial or brain natriuretic peptide; related peptides
930/06	Calcitonin; related peptides
930/07	Corticotropin; related peptides
930/08	Endorphin or enkephalin; related peptides
930/09	Erythropoietin; related peptides
930/10	Factor VIII, AHF; related peptides
930/11	Gonadotropin; related peptides

930/12	• Growth hormone, growth factor other than t- cell or b-cell growth factor, and growth hormone
	releasing factor; related peptides
930/13	• Luteinizing hormone-releasing hormone; related peptides
930/14	• • Lymphokine; related peptides
930/141	Interleukin
930/142	Interferon
930/143	Lymphotoxin
930/144	Tumor necrosis factor
930/145	Colony stimulating factor
930/15	• • Oxytocin or vasopressin; related peptides
930/16	Somatostatin; related peptides
930/17	. Vasoactive intestinal peptides; related peptides
930/18	. Thymus derived hormone or factor; related
	peptides
930/19	Antibiotic
930/20	. Bacterial peptide or bacterial protein
930/21	• Parasitic peptide or parasitic protein
930/22	Viral peptide or viral protein
930/221	Retrovirus related, or human
	immunodeficiency virus related, or simian
	immunodeficiency virus related
930/222	Foot and mouth disease related
930/223	Hepatitis related
930/224	Herpes related
930/23	Multicellular plant peptide or multicellular plant
	protein
930/24	• Enzyme or isoenzyme
930/25	. Enzyme inhibitor
930/26	Containing cys-cys disulfide bridge between nonadjacent cysteine residues
930/27	• • Cyclic peptide or cyclic protein
930/28	• Bound to a nonpeptide drug, nonpeptide label,
	nonpeptide carrier, or a nonpeptide resin
930/29	• Polyamino acid or polypeptide with an
	uninterrupted series of peptide repeating units
930/30	Signal or leader sequence
930/31	Linker sequence
930/32	Modification to prevent enzymatic degradation

Nanotechnology

 977/70 . Nanostructure 977/701 . Integrated with dissimilar structures on a common substrate
substrate
977/702 having biological material component
977/703 Cellular
977/704 Nucleic acids, e.g. DNA or RNA
977/705 Protein or peptide
977/706 Carbohydrate
977/707 having different types of nanoscale structures
or devices on a common substrate
977/708 with distinct switching device
977/709 including molecular switching device
977/71 Biological switching
977/711 Nucleic acid switching
977/712 formed from plural layers of nanosized
material, e.g. stacked structures
977/713 including lipid layer
977/714 Containing protein
977/715 On an organic substrate

077/716		077/7
977/716 977/717	Biological cell surface Lipid substrate	977/7 977/7
977/718	Carbohydrate substrate	711/1
977/719	Nucleic acid substrate	
977/72	On an electrically conducting, semi-	
<i>J</i> 11/12	conducting, or semi-insulating substrate	977/7
977/721	On a silicon substrate	
977/722	On a metal substrate	977/7
977/723	On an electrically insulating substrate	
977/724	• • Devices having flexible or movable element	
977/725	Nanomotor/nanoactuator	
977/726	using chemical reaction/biological energy,	
	e.g. ATP	
977/727	formed from biological material	977/7
977/728	Nucleic acids, e.g. DNA or RNA	
977/729	From protein or unit thereof, e.g. enzyme or	
	carboxyl group	977/7
977/73	for electrical purposes	
977/731	• • • formed from a single atom, molecule, or cluster	977/7
977/732	Nanocantilever	977/7
977/733	Nanodiaphragm	
977/734	• Fullerenes, i.e. graphene-based structures, such	977/7
	as nanohorns, nanococoons, nanoscrolls or fullerene-like structures, e.g. WS_2 or MoS_2	977/7
	chalcogenide nanotubes, planar C_3N_4 , etc.	977/7
977/735	Carbon buckyball	977/7
977/736	having atoms interior to the carbon cage	977/7
977/737	having a modified surface	977/7
977/738	Modified with biological, organic, or	977/7
211/130	hydrocarbon material	077/5
977/739	Modified with an enzyme	977/7
977/74	Modified with atoms or molecules bonded	977/7
	to the surface	711/1
977/741	Modified with dissimilar atom or molecule	977/7
	substituted for carbon atoms of the	2
	buckyball, e.g. impurity doping or	977/7
	compositional substitution	977/7
977/742	Carbon nanotubes, CNTs	977/7
977/743	• • • having specified tube end structure, e.g.	
000	close-ended shell or open-ended tube	977/7
977/744	• • • having atoms interior to the carbon cage	
977/745	having a modified surface	
977/746	•••• Modified with biological, organic, or	977/7
077/747	hydrocarbon material	
977/747 977/748	Modified with an enzyme Modified with atoms or molecules bonded	977/7
911/140	to the surface	
977/749	Modified with dissimilar atoms or	977/7
<i><i>утпту</i></i>	molecules substituted for carbon atoms	911/1
	of the cnt, e.g. impurity doping or	
	compositional substitution	977/7
977/75	Single-walled	977/7
977/751	with specified chirality and/or electrical	
	conductivity	977/7
977/752	Multi-walled	977/7
977/753	• • • with polymeric or organic binder	977/7
977/754	. Dendrimer, i.e. serially branching or "tree-like"	
	structure	977/7
977/755	• Nanosheet or quantum barrier/well, i.e. layer	977/7
	structure having one dimension or thickness of	977/7
077/756	100 nm or less	977/7
977/756 977/757	Lipid layer	977/7
711/131	Layer containing protein	

977/757	•	•	•	•	Layer
CPC - 2025.05					

977/758	Mono-atomic layer on delta-doped sheet
977/759	Quantum well dimensioned for intersubband
	transitions, e.g. for use in unipolar
	light emitters or quantum well infrared
000	photodetectors
977/76	Superlattice with graded effective bandgap, e.g.
077/761	"chirp-graded" superlattice
977/761	Superlattice with well or barrier thickness adapted for increasing the reflection,
	transmission, or filtering of carriers having
	energies above the bulk-form conduction or
	valence band energy level of the well or barrier,
	i.e. well or barrier with n-integer- λ -carrier-/4
	thickness
977/762	• Nanowire or quantum wire, i.e. axially elongated
	structure having two dimensions of 100 nm or
977/763	less formed along or from crystallographic terraces
977/105	or ridges
977/764	• • • with specified packing density
977/765	•••• with specified cross-sectional profile, e.g. belt-
,	shaped
977/766	• • • Bent wire, i.e. having nonliner longitudinal axis
977/767	Mesh structure
977/768	Helical wire
977/769	formed with nucleic acid
977/77	formed with polyamide polymers
977/771	Nanoring
977/772	formed from circular biomolecule, e.g. DNA, heme, chelators
977/773	Nanoparticle, i.e. structure having three
<i><i>у</i>тптт5</i>	dimensions of 100 nm or less
977/774	Exhibiting three-dimensional carrier
	confinement, e.g. quantum dots
977/775	• • • Nanosized powder or flake, e.g. nanosized
	catalyst
977/776	Ceramic powder or flake
977/777	Metallic powder or flake
977/778	 within specified host or matrix material, e.g. nanocomposite films
977/779	• • Possessing nanosized particles, powders,
	flakes, or clusters other than simple atomic
	impurity doping
977/78	Possessing fully enclosed nanosized voids or
	physical holes
977/781	• • Possessing nonosized surface openings that
	extend partially into or completely through the host material
977/782	• • • Possessing nanosized physical convexity, ridge,
	or protrusion extending upward from the host's
	surface
977/783	• • • Organic host/matrix, e.g. lipid
977/784	Electrically conducting, semi-conducting, or
	semi-insulating host material
977/785	Electrically insulating host material
977/786	• • • Fluidic host/matrix containing nanomaterials
977/787	Viscous fluid host/matrix containing nanomaterials
977/788	Of specified organic or carbon-based composition
977/789	in array format
977/79	with heterogeneous nanostructures
977/791	Molecular array
977/792	••••••••••••••••••••••••••••••••••••••
	array

977/793	••••• Protein array	977/834	• • • Optical properties of nanomaterial, e.g.
977/794	Chemical library array		specified transparency, opacity, or index of
977/795	Composed of biological material		refraction
977/796	for electrical or electronic purpose	977/835	Chemical or nuclear reactivity/stability
977/797	Lipid particle		of composition or compound forming
977/798	• • • having internalized material		nanomaterial
		977/836	having biological reactive capability
977/799	Containing biological material	977/837	Piezoelectric property of nanomaterial
977/80	••••• Nucleic acid, e.g. DNA or RNA	977/838	Magnetic property of nanomaterial
977/801	· · · · · Drug		
977/802	• • Virus-based particle	977/839	• Mathematical algorithms, e.g. computer software,
977/803	Containing biological material in its interior		specifically adapted for modeling configurations or
977/804	Containing nucleic acid	077/04	properties of nanostructure
977/805	Containing drug	977/84	• Manufacture, treatment, or detection of
977/806	with exterior chemical attachment		nanostructure
977/807	Exterior attachment for detection	977/841	Environmental containment or disposal of
			nanostructure material
977/808	Exterior attachment for targeting, e.g. drug	977/842	for carbon nanotubes or fullerenes
	targeting	977/843	Gas phase catalytic growth, i.e. chemical vapor
977/809	Organic film on silicon		deposition
977/81	Of specified metal or metal alloy composition	977/844	Growth by vaporization or dissociation of
977/811	• • Of specified metal oxide composition, e.g.		carbon source using a high-energy heat source,
	conducting or semiconducting compositions such		e.g. electric arc, laser, plasma, e-beam
	as ITO, ZnOx	977/845	• • Purification or separation of fullerenes or
977/812	Perovskites and superconducting composition,	717/045	nanotubes
	e.g. BaxSr1-xTiO3	077/046	
977/813	• Of specified inorganic semiconductor	977/846	• • • internal modifications, e.g. filling, endohedral
211/015	composition, e.g. periodic table group IV-VI		modifications
	compositions	977/847	Surface modifications, e.g. functionalization,
977/814	• • • Group IV based elements and compounds, e.g.		coating
9///014		977/848	Tube end modifications, e.g. capping, joining,
077/015	CxSiyGez, porous silicon		splicing
977/815	Group III-V based compounds, e.g.	977/849	• • with scanning probe
	AlaGabIncNxPyAsz	977/85	Scanning probe control process
977/816	III-N based compounds, e.g. AlxGayInzN	977/851	Particular movement or positioning of
977/817	High-indium-content InGaN pooling or		scanning tip
	clusters	977/852	• • • for detection of specific nanostructure sample
977/818	III-P based compounds, e.g. AlxGayIn2P	9111032	or nanostructure-related property
977/819	III-As based compounds, e.g. AlxGayInzAs	977/853	Biological sample
977/82	III-Sb based compounds, e.g. AlxGayInzSb		
977/821	Mixed group V compounds, e.g. III-NxPy	977/854	Semiconductor sample
977/822	Boron-containing compounds	977/855	for manufacture of nanostructure
977/823	Tl-containing or Bi-containing compounds	977/856	including etching/cutting
	· · ·	977/857	including coating
977/824	Group II-VI nonoxide compounds, e.g.	977/858	•••• including positioning/mounting
	CdxMnyTe		nanostructure
977/825	Heterojunction formed between semiconductor	977/859	including substrate treatment
	materials that differ in that they belong to	977/86	Scanning probe structure
	different periodic table groups	977/861	Scanning tunneling probe
977/826	Nonstoichiometric semiconductor compounds,	977/862	Near-field probe
	e.g. IIIxVy; x does not equal y		
977/827	. formed from hybrid organic/inorganic	977/863	Atomic force probe
	semiconductor compositions	977/864	Electrostatic force probe
977/828	Biological composition interconnected with	977/865	Magnetic force probe
	inorganic material	977/866	Scanning capacitance probe
977/829	Organic or biological core coated with	977/867	Scanning thermal probe
<i>y</i> , , , , <u>0</u> 2 <i>y</i>	inorganic shell	977/868	• • • • with optical means
977/83	Inorganic core or cluster coated with organic or	977/869	Optical microscope
711/05	biological shell	977/87	••••••••••••••••••••••••••••••••••••••
077/021	-		
977/831	• Of specified ceramic or electrically insulating	977/871	• • • • with environmental regulation means
0	compositions	977/872	Positioner
977/832	• having specified property, e.g. lattice-constant,	977/873	Tip holder
	thermal expansion coefficient	977/874	Probe tip array
977/833	Thermal property of nanomaterial, e.g.	977/875	•••• with tip detail
	thermally conducting/insulating or exhibiting	977/876	Nanotube tip
	peltier or seebeck effect	977/877	Chemically functionalized
		977/878	Shape/taper
			· · · · · · · · · · · · · · · · · · ·

077/070	Matarial	0
977/879	Material	9
977/88	• with arrangement, process, or apparatus for testing	9 9
977/881	• • Microscopy or spectroscopy, e.g. sem, tem	9
977/882	 Assembling of separate components, e.g. by 	9
911/002	attaching	9
977/883	• • Fluidic self-assembly, FSA	9
		-
977/884	Assembled via biorecognition entity	9
977/885	Via nucleic acid hybridization	
977/886	Via protein recognition	9
977/887	. Nanoimprint lithography, i.e. nanostamp	
977/888	• • Shaping or removal of materials, e.g. etching	9
977/889	• • • by laser ablation	9
977/89	• • Deposition of materials, e.g. coating, cvd, or ald	9
977/891	Vapor phase deposition	9
977/892	Liquid phase deposition	
977/893	Deposition in pores, molding, with subsequent	9
	removal of mold	9
977/894	• • having step or means utilizing biological growth	9
977/895	having step or means utilizing chemical property	9
977/896	Chemical synthesis, e.g. chemical bonding or	9
	breaking	
977/897	Polymerization	9
977/898	Enzymatic	9
977/899	Electrolytic	9
977/90	 having step or means utilizing mechanical or 	9
911/90	thermal property, e.g. pressure, heat	9
977/901	 having step or means utilizing electromagnetic 	9
977/901	property, e.g. optical, x-ray, electron beamm	9
977/902	• Specified use of nanostructure	
	-	9
977/903	for conversion, containment, or destruction of hazardous material	9
077/004		9
977/904	• for medical, immunological, body treatment, or	9
077/005	diagnosis	9
977/905	Specially adapted for travel through blood	9
077/004	circulatory system	9
977/906	Drug delivery	9
977/907	Liposome	
977/908	Mechanical repair performed/surgical	
977/909	Obstruction removal	
977/91	Strengthening cell or tissue	
977/911	Cancer cell destruction	
977/912	Cancer cell repair	
977/913	Stem cell therapy implantation	
977/914	Protein engineering	
977/915	Therapeutic or pharmaceutical composition	
977/916	Gene therapy	
977/917	Vaccine	
977/918	Immunological	
977/919	-	
977/92	Detection of biochemical	
	Of toxic chemical	
977/921		
977/922	•••• Of explosive material	
977/923	Cell culture	
977/924	• • • using nanostructure as support of dna analysis	
977/925	Bioelectrical	
977/926	Topical chemical, e.g. cosmetic or sunscreen	
977/927	Diagnostic contrast agent	
977/928	X-ray agent	
977/929	Ultrasound contrast agent	
977/93	MRI contrast agent	
977/931	Medical device coating	
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977/932	for electronic or optoelectronic application
977/933	Spintronics or quantum computing
977/934	Giant magnetoresistance, GMR
977/935	Spin dependent tunnel, SDT, junction, e.g.
	tunneling magnetoresistance, TMR
977/936	• • • in a transistor or 3-terminal device
977/937	Single electron transistor
977/938	Field effect transistors, FETS, with
	nanowire- or nanotube-channel region
977/939	Electron emitter, e.g. spindt emitter tip coated
	with nanoparticles
977/94	• • • in a logic circuit
977/941	•••• including dna logic element
977/942	including protein logic element
977/943	Information storage or retrieval using
	nanostructure
977/944	Biochemical memory
977/945	Protein memory
977/946	Nucleic acid memory
977/947	• • • • with scanning probe instrument
977/948	Energy storage/generating using nanostructure,
	e.g. fuel cell, battery
977/949	Radiation emitter using nanostructure
977/95	Electromagnetic energy
977/951	•••• Laser
977/952	Display
977/953	Detector using nanostructure
977/954	Of radiant energy
977/955	Of thermal property
977/956	Of mechanical property
977/957	Of chemical property or presence
977/958	Of biomolecule property
977/959	••••• Of disease state
977/96	Of magnetic property
977/961	for textile or fabric treatment
977/962	• • for carrying or transporting
977/963	• Miscellaneous