

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1862

DATE: JANUARY 1, 2026

PROJECT MP12840

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	A63F	9/10, 9/12
	B01J	35/56, 35/73
	B23K	9/032
	B23K	26/30
	B29C	70/22, 70/24
	B31D	5/00
	B33Y	SUBCLASS
	B44B	1/00, 1/02
	B44B	3/00
	B44B	11/02
	B44F	7/00
	B63B	32/59
	B65B	43/08
	B65G	57/20
	D04D	7/04
	D04H	1/22, 1/24
	D06M	23/14
	E01F	9/654
	E04B	1/19
	E04C	5/02, 5/06
	E04G	1/02, 1/14, 1/17
	F16H	21/46
	F21Y	2105/10, 2105/14
	G01C	19/5677, 19/5691
	G01S	7/10, 7/20
	G01S	13/72
	G01S	17/894
	G02B	30/34, 30/50, 30/52, 30/54
	G03C	9/08
	G05B	19/4099
	G05D	1/43, 1/46
	G06F	3/0346, 3/0354, 3/0362, 3/04815
	G06F	40/183
	G06F	2113/10
	G06T	3/067
	G06T	13/20, 13/80
	G06T	15/00
	G06T	17/00
	G06T	19/00, 19/20
	G06V	20/64
	G06V	30/228
	G09F	1/06

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	G11B	7/24044
	G11C	11/063, 11/065
	G11C	19/38
	G16B	15/00
	H01Q	15/10, 15/16
	H04N	1/191, 1/195, 1/415
	H04N	13/122, 13/207, 13/239, 13/243, 13/275, 13/30, 13/395
	H04N	19/533, 19/62
	H04N	25/443
	H05B	3/20
	H05B	33/12
	H10B	41/20
	H10B	43/20
	H10B	51/20
	H10B	53/20
	H10D	30/43, 30/47
Notes Modified:	B01J	29/00
	B81	CLASS
	B81B	SUBCLASS
	C01B	39/00
	G06V	30/00
	H05K	SUBCLASS

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- ☒ A. New, Modified or Deleted Group(s)
- ☐ B. New, Modified or Deleted Warning(s)
- ☒ C. New, Modified or Deleted Note(s)
- ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- ☐ A. New or Modified Definitions (Full definition template)
- ☐ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☐ REVISION CONCORDANCE LIST (RCL)

4. ☐ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☐ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS A63F - CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; VIDEO GAMES; GAMES NOT OTHERWISE PROVIDED FOR**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	A63F9/10	2	Two-dimensional [2D] jig-saw puzzles	
M	A63F9/12	2	Three-dimensional [3D] jig-saw puzzles	

SUBCLASS B01J - CHEMICAL OR PHYSICAL PROCESSES, e.g. CATALYSIS OR COLLOID CHEMISTRY; THEIR RELEVANT APPARATUS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B01J35/56	2	Foraminous structures having flow-through passages or channels, e.g. grids or three-dimensional [3D] monoliths	
M	B01J35/73	2	having a two-dimensional [2D] layered crystalline structure, e.g. layered double hydroxide [LDH]	

SUBCLASS B23K - SOLDERING OR UNSOLDERING; WELDING; CLADDING OR PLATING BY SOLDERING OR WELDING; CUTTING BY APPLYING HEAT LOCALLY, e.g. FLAME CUTTING; WORKING BY LASER BEAM

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B23K9/032	2	for three-dimensional [3D] seams	
M	B23K26/30	4	of three-dimensional [3D] seams	

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SUBCLASS B29C - SHAPING OR JOINING OF PLASTICS; SHAPING OF MATERIAL IN A PLASTIC STATE, NOT OTHERWISE PROVIDED FOR; AFTER-TREATMENT OF THE SHAPED PRODUCTS, e.g. REPAIRING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B29C70/22	5	oriented in at least two directions forming a two-dimensional [2D] structure	
M	B29C70/24	5	oriented in at least three directions forming a three-dimensional [3D] structure	

SUBCLASS B31D - MAKING ARTICLES OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER, NOT PROVIDED FOR IN SUBCLASSES B31B OR B31C

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B31D5/00	0	Multiple-step processes for making three-dimensional [3D] articles	

SUBCLASS B33Y - ADDITIVE MANUFACTURING, i.e. MANUFACTURING OF THREE-DIMENSIONAL [3D] OBJECTS BY ADDITIVE DEPOSITION, ADDITIVE AGGLOMERATION OR ADDITIVE LAYERING, e.g. BY 3D PRINTING, STEREOLITHOGRAPHY OR SELECTIVE LASER SINTERING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B33Y	Subclass	ADDITIVE MANUFACTURING, i.e. MANUFACTURING OF THREE-DIMENSIONAL [3D] OBJECTS BY ADDITIVE DEPOSITION, ADDITIVE AGGLOMERATION OR ADDITIVE LAYERING, e.g. BY 3D PRINTING, STEREOLITHOGRAPHY OR SELECTIVE LASER SINTERING	

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SUBCLASS B44B - MACHINES, APPARATUS OR TOOLS FOR ARTISTIC WORK, e.g. FOR SCULPTURING, GUILLOCHING, CARVING, BRANDING, INLAYING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B44B1/00	0	Artists' machines or apparatus equipped with tools or work holders moving, or able to be controlled, three-dimensionally for making single sculptures or models (copying devices for machine-tool use B23Q35/00)	
M	B44B1/02	1	wherein three-dimensional [3D] copies are made	
M	B44B3/00	0	Artists' machines or apparatus equipped with tools or work holders moving or able to be controlled substantially two-dimensionally for carving, engraving, or guilloching shallow ornamenting or markings (marking or engraving metal by the action of a high concentration of electric current B23H9/06; forme engraving B41C1/02; engraving by photomechanical reproduction G03F7/20)	
M	B44B11/02	1	for substantially two-dimensional [2D] carving, engraving, or guilloching	

SUBCLASS B44F - SPECIAL DESIGNS OR PICTURES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B44F7/00	0	Designs imitating three-dimensional [3D] effects	

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SUBCLASS B63B - SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B63B32/59	1	Boards characterised by their manufacturing process, e.g. moulding or three-dimensional [3D] printing	

SUBCLASS B65B - MACHINES, APPARATUS OR DEVICES FOR, OR METHODS OF, PACKAGING ARTICLES OR MATERIALS; UNPACKING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B65B43/08	1	Forming three-dimensional [3D] containers from sheet material	

SUBCLASS B65G - TRANSPORT OR STORAGE DEVICES, e.g. CONVEYORS FOR LOADING OR TIPPING, SHOP CONVEYOR SYSTEMS OR PNEUMATIC TUBE CONVEYORS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	B65G57/20	3	three-dimensional [3D], e.g. cubiform or cylindrical	

SUBCLASS D04D - TRIMMINGS; RIBBONS, TAPES OR BANDS, NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	D04D7/04	1	Three-dimensional [3D] articles (ornamental buttons A44B1/04)	

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SUBCLASS D04H - MAKING TEXTILE FABRICS, e.g. FROM FIBRES OR FILAMENTARY MATERIAL; FABRICS MADE BY SUCH PROCESSES OR APPARATUS, e.g. FELTS, NON-WOVEN FABRICS; COTTON-WOOL; WADDING {; NON-WOVEN FABRICS FROM STAPLE FIBRES, FILAMENTS OR YARNS, BONDED WITH AT LEAST ONE WEB-LIKE MATERIAL DURING THEIR CONSOLIDATION}

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	D04H1/22	3	Three-dimensional [3D] articles formed by felting processes	
M	D04H1/24	3	Covers felted on to three-dimensional [3D] articles	

SUBCLASS D06M - TREATMENT, NOT PROVIDED FOR ELSEWHERE IN CLASS D06, OF FIBRES, THREADS, YARNS, FABRICS, FEATHERS OR FIBROUS GOODS MADE FROM SUCH MATERIALS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	D06M23/14	1	Processes for the fixation or treatment of textile materials in three-dimensional [3D] forms	

SUBCLASS E01F - ADDITIONAL WORK, SUCH AS EQUIPPING ROADS OR THE CONSTRUCTION OF PLATFORMS, HELICOPTER LANDING STAGES, SIGNS, SNOW FENCES, OR THE LIKE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	E01F9/654	3	in the form of three-dimensional [3D] bodies, e.g. cones; capable of assuming 3D form, e.g. by inflation or erection to form a geometric body	

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SUBCLASS E04B - GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	E04B1/19	2	Three-dimensional [3D] framework structures	

SUBCLASS E04C - STRUCTURAL ELEMENTS; BUILDING MATERIALS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	E04C5/02	2	of low bending resistance, i.e. of essentially one-dimensional [1D] or two-dimensional [2D] extent	
M	E04C5/06	2	of high bending resistance, i.e. of essentially three-dimensional [3D] extent, e.g. lattice girders {(anchorage devices specially adapted for balconies E04B 1/0038; supporting devices for connector reinforcing rods for concrete walls E04G 21/125)}	

SUBCLASS E04G - SCAFFOLDING; FORMS; SHUTTERING; BUILDING IMPLEMENTS OR AIDS, OR THEIR USE; HANDLING BUILDING MATERIALS ON THE SITE; REPAIRING, BREAKING-UP OR OTHER WORK ON EXISTING BUILDINGS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	E04G1/02	1	composed essentially of members elongated in one dimension [1D] only, e.g. poles, lattice masts, with or without end portions of special form, connected together by any means	
M	E04G1/14	1	Comprising essentially pre-assembled two-dimensional [2D] frame-like elements, e.g. of rods in L- or H-shape, with or without bracing (E04G1/15 takes precedence)	

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M	E04G1/17	1	Comprising essentially pre-assembled three-dimensional [3D] elements, e.g. cubic elements	
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SUBCLASS F16H - GEARING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	F16H21/46	1	with movements in three dimensions [3D]	

SUBCLASS F21Y - INDEXING SCHEME

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	F21Y2105/10	1	comprising a two-dimensional [2D] array of point-like light-generating elements	
M	F21Y2105/14	2	characterised by the overall shape of the two-dimensional [2D] array	

SUBCLASS G01C - MEASURING DISTANCES, LEVELS OR BEARINGS; SURVEYING; NAVIGATION; GYROSCOPIC INSTRUMENTS; PHOTOGRAMMETRY OR VIDEOGRAMMETRY

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G01C19/5677	3	of essentially two-dimensional [2D] vibrators, e.g. ring-shaped vibrators	
M	G01C19/5691	3	of essentially three-dimensional [3D] vibrators, e.g. wine glass-type vibrators	

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SUBCLASS G01S - RADIO DIRECTION-FINDING; RADIO NAVIGATION; DETERMINING DISTANCE OR VELOCITY BY USE OF RADIO WAVES; LOCATING OR PRESENCE-DETECTING BY USE OF THE REFLECTION OR RERADIATION OF RADIO WAVES; ANALOGOUS ARRANGEMENTS USING OTHER WAVES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G01S7/10	4	Providing two-dimensional [2D] co-ordinated display of distance and direction	
M	G01S7/20	4	Stereoscopic displays; Three-dimensional [3D] displays; Pseudo-3D displays	
M	G01S13/72	2	for two-dimensional [2D] tracking, e.g. combination of angle and range tracking, track-while-scan radar	
M	G01S17/894	3	Three-dimensional [3D] imaging with simultaneous measurement of time-of-flight at a two-dimensional [2D] array of receiver pixels, e.g. time-of-flight cameras or flash lidar	

SUBCLASS G02B - OPTICAL ELEMENTS, SYSTEMS OR APPARATUS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G02B30/34	2	Stereoscopes providing a stereoscopic pair of separated images corresponding to parallaxically displaced views of the same object, e.g. three-dimensional [3D] slide viewers	
M	G02B30/50	1	the image being built up from image elements distributed over a three-dimensional [3D] volume, e.g. voxels	
M	G02B30/52	2	the three-dimensional [3D] volume being constructed from a stack or sequence of two-dimensional [2D] planes, e.g. depth sampling systems	
M	G02B30/54	2	the three-dimensional [3D] volume being generated by moving a two-dimensional [2D] surface, e.g. by vibrating or rotating the 2D surface	

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**SUBCLASS G03C - PHOTSENSITIVE MATERIALS FOR PHOTOGRAPHIC PURPOSES;
PHOTOGRAPHIC PROCESSES, e.g. CINE, X-RAY, COLOUR, STEREO-PHOTOGRAPHIC
PROCESSES; AUXILIARY PROCESSES IN PHOTOGRAPHY**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G03C9/08	1	producing three-dimensional [3D] images	

**SUBCLASS G05B - CONTROL OR REGULATING SYSTEMS IN GENERAL; FUNCTIONAL
ELEMENTS OF SUCH SYSTEMS; MONITORING OR TESTING ARRANGEMENTS FOR SUCH
SYSTEMS OR ELEMENTS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G05B19/4099	4	Surface or curve machining, making three-dimensional [3D] objects, e.g. desktop manufacturing	

SUBCLASS G05D - SYSTEMS FOR CONTROLLING OR REGULATING NON-ELECTRIC VARIABLES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G05D1/43	2	Control of position or course in two dimensions [2D]	
M	G05D1/46	2	Control of position or course in three dimensions [3D]	

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SUBCLASS G06F - ELECTRIC DIGITAL DATA PROCESSING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G06F3/0346	4	with detection of the device orientation or free movement in a three-dimensional [3D] space, e.g. 3D mice, 6-DOF [six degrees of freedom] pointers using gyroscopes, accelerometers or tilt-sensors	
M	G06F3/0354	4	with detection of two-dimensional [2D] relative movements between the device, or an operating part thereof, and a plane or surface, e.g. 2D mice, trackballs, pens or pucks	
M	G06F3/0362	4	with detection of one-dimensional [1D] translations or rotations of an operating part of the device, e.g. scroll wheels, sliders, knobs, rollers or belts	
M	G06F3/04815	4	Interaction with a metaphor-based environment or interaction object displayed as three-dimensional [3D], e.g. changing the user viewpoint with respect to the environment or object	
M	G06F40/183	3	Tabulation, i.e. one-dimensional [1D] positioning	
M	G06F2113/10	1	Additive manufacturing, e.g. three-dimensional [3D] printing	

SUBCLASS G06T - IMAGE DATA PROCESSING OR GENERATION, IN GENERAL

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G06T3/067	2	Reshaping or unfolding three-dimensional [3D] tree structures onto two-dimensional [2D] planes	
M	G06T13/20	1	Three-dimensional [3D] animation	
M	G06T13/80	1	Two-dimensional [2D] animation, e.g. using sprites	
M	G06T15/00	0	Three-dimensional [3D] image rendering	
M	G06T17/00	0	Three-dimensional [3D] modelling for computer graphics	

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M	G06T19/00	0	Manipulating three-dimensional [3D] models or images for computer graphics	
M	G06T19/20	1	Editing of three-dimensional [3D] images, e.g. changing shapes or colours, aligning objects or positioning parts	

SUBCLASS G06V - IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G06V20/64	2	Three-dimensional [3D] objects	
M	G06V30/228	3	of three-dimensional [3D] handwriting, e.g. writing in the air	

SUBCLASS G09F - DISPLAYING; ADVERTISING; SIGNS; LABELS OR NAME-PLATES; SEALS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G09F1/06	2	to be erected in three dimensions [3D] (G09F1/08 takes precedence)	

SUBCLASS G11B - INFORMATION STORAGE BASED ON RELATIVE MOVEMENT BETWEEN RECORD CARRIER AND TRANSDUCER

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	G11B7/24044	4	for storing optical interference patterns, e.g. holograms; for storing data in three dimensions [3D], e.g. volume storage (G11B7/24038 takes precedence)	

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SUBCLASS G11C - STATIC STORES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	G11C11/063	4	bit-organised, such as 2L/2D-organisation or three-dimensional [3D]-organisation, i.e. for selection of an element by means of at least two coincident partial currents both for reading and for writing {(G11C 11/06035 takes precedence)}	
M	G11C11/065	4	word-organised, such as two-dimensional [2D]-organisation, or linear selection, i.e. for selection of all the elements of a word by means of a single full current for reading {(G11C 11/06042 takes precedence)}	
M	G11C19/38	1	two-dimensional [2D], e.g. horizontal and vertical shift registers	

SUBCLASS G16B - BIOINFORMATICS, i.e. INFORMATION AND COMMUNICATION TECHNOLOGY [ICT] SPECIALLY ADAPTED FOR GENETIC OR PROTEIN-RELATED DATA PROCESSING IN COMPUTATIONAL MOLECULAR BIOLOGY

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	G16B15/00	0	ICT specially adapted for analysing two-dimensional [2D] or three-dimensional [3D] molecular structures, e.g. structural or functional relations or structure alignment	

SUBCLASS H01Q - ANTENNAS, i.e. RADIO AERIALS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	H01Q15/10	2	comprising three-dimensional [3D] array of impedance discontinuities, e.g. holes in conductive surfaces or conductive discs forming artificial dielectric	

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M	H01Q15/16	2	curved in two dimensions [2D], e.g. paraboloidal	
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SUBCLASS H04N - PICTORIAL COMMUNICATION, e.g. TELEVISION

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	H04N1/191	3	the array comprising a one-dimensional [1D] array	
M	H04N1/195	3	the array comprising a two-dimensional [2D] array	
M	H04N1/415	4	in which the picture-elements are subdivided or grouped into fixed one-dimensional [1D] or two-dimensional [2D] blocks	
M	H04N13/122	3	Improving the three-dimensional [3D] impression of stereoscopic images by modifying image signal contents, e.g. by filtering or adding monoscopic depth cues (H04N13/128 takes precedence)	
M	H04N13/207	3	using a single two-dimensional [2D] image sensor	
M	H04N13/239	3	using two two-dimensional [2D] image sensors having a relative position equal to or related to the interocular distance (H04N13/243 takes precedence)	
M	H04N13/243	3	using three or more two-dimensional [2D] image sensors	
M	H04N13/275	2	from three-dimensional [3D] object models, e.g. computer-generated stereoscopic image signals	
M	H04N13/30	1	Image reproducers (optical systems for producing stereoscopic or other three-dimensional [3D] effects G02B30/00)	
M	H04N13/395	3	with depth sampling, i.e. the volume being constructed from a stack or sequence of two-dimensional [2D] image planes	
M	H04N19/533	4	Motion estimation using multistep search, e.g. two-dimensional [2D]-log search or one-at-a-time search [OTS]	
M	H04N19/62	2	by frequency transforming in three dimensions [3D] (H04N19/63 takes precedence)	
M	H04N25/443	3	by reading pixels from selected two-dimensional [2D] regions of the array, e.g. for windowing or digital zooming	

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SUBCLASS H05B - ELECTRIC HEATING; ELECTRIC LIGHT SOURCES NOT OTHERWISE PROVIDED FOR; CIRCUIT ARRANGEMENTS FOR ELECTRIC LIGHT SOURCES, IN GENERAL

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	H05B3/20	1	Heating elements having extended surface area substantially in a two-dimensional [2D] plane, e.g. plate-heater (H05B3/62, H05B3/68, H05B3/78, H05B3/84 take precedence)	
M	H05B33/12	1	Light sources with substantially two-dimensional [2D] radiating surfaces	

SUBCLASS H10B - ELECTRONIC MEMORY DEVICES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	H10B41/20	1	characterised by three-dimensional [3D] arrangements, e.g. with cells on different height levels	
M	H10B43/20	1	characterised by three-dimensional [3D] arrangements, e.g. with cells on different height levels	
M	H10B51/20	1	characterised by the three-dimensional [3D] arrangements, e.g. with cells on different height levels	
M	H10B53/20	1	characterised by the three-dimensional [3D] arrangements, e.g. with cells on different height levels	

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SUBCLASS H10D - INORGANIC ELECTRIC SEMICONDUCTOR DEVICES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to[#]
M	H10D30/43	2	having one-dimensional [1D] charge carrier gas channels, e.g. quantum wire FETs or transistors having 1D quantum-confined channels	
M	H10D30/47	2	having two-dimensional [2D] charge carrier gas channels, e.g. nanoribbon FETs or high electron mobility transistors [HEMT]	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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C. New, Modified or Deleted Note(s)**SUBCLASS B01J CHEMICAL OR PHYSICAL PROCESSES, e.g. CATALYSIS OR COLLOID CHEMISTRY; THEIR RELEVANT APPARATUS**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B01J 29/00	<p>1. In this group, the following term is used with the meaning indicated:</p> <ul style="list-style-type: none"> • "zeolites" means: <p>i. crystalline aluminosilicates with base-exchange and molecular sieve properties, having three dimensional, microporous lattice framework structure of tetrahedral oxide units;</p> <p>ii. compounds isomorphous to those of the former category, wherein the aluminium or silicon atoms in the framework are partly or wholly replaced by atoms of other elements, e.g. by gallium, germanium, phosphorus or boron.</p>	<p>1. In this group, the following term is used with the meaning indicated:</p> <ul style="list-style-type: none"> • "zeolites" means: <p>i. crystalline aluminosilicates with base-exchange and molecular sieve properties, having three dimensional [3D], microporous lattice framework structure of tetrahedral oxide units;</p> <p>ii. compounds isomorphous to those of the former category, wherein the aluminium or silicon atoms in the framework are partly or wholly replaced by atoms of other elements, e.g. by gallium, germanium, phosphorus or boron.</p>

CLASS B81 MICROSTRUCTURAL TECHNOLOGY

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B81	<p>1. This class <u>covers</u> microstructural devices or systems, including at least one essential element or formation characterised by its very small size typically within the range of 10^{-4} to 10^{-7} meters, i.e. its significant features cannot, in at least one dimension, be completely discerned without the use of an optical microscope.</p> <p>2. In this class, the following expressions are used with the meaning indicated:</p> <ul style="list-style-type: none"> • "microstructural devices" covers: <ul style="list-style-type: none"> i. micromechanical devices comprising movable, flexible or deformable elements; and ii. three-dimensional structures without movable, flexible or deformable 	<p>1. This class <u>covers</u> microstructural devices or systems, including at least one essential element or formation characterised by its very small size, typically within the range of 10^{-4} to 10^{-7} meters, i.e. its significant features can not, in at least one dimension [1D], be completely discerned without the use of an optical microscope.</p> <p>2. In this class, the following expressions are used with the meaning indicated:</p> <ul style="list-style-type: none"> • "microstructural devices" covers: <ul style="list-style-type: none"> i. micromechanical devices comprising movable, flexible or deformable elements; and ii. three-dimensional [3D] structures without movable, flexible or deformable

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		<p>elements, comprising microformations designed to accomplish an essential structural function for interacting with their environment, as opposed to purely electronic or chemical functions, regardless of whether the structures are combined with microelectronic devices or formed from specific materials;</p> <ul style="list-style-type: none"> • "microstructural systems" covers: <ul style="list-style-type: none"> i. systems of cooperating microstructural devices; and ii. microelectro-mechanical or microopto-mechanical systems, which combine on a common substrate the specific features of microstructural devices and electrical or optical components, e.g. for controlling, analysing or signalling the functioning of microstructural devices. 	<p>elements, comprising microformations designed to accomplish an essential structural function for interacting with their environment, as opposed to purely electronic or chemical functions, regardless of whether the structures are combined with microelectronic devices or formed from specific materials;</p> <ul style="list-style-type: none"> • "microstructural systems" covers: <ul style="list-style-type: none"> i. systems of cooperating microstructural devices; and ii. microelectro-mechanical or microopto-mechanical systems, which combine on a common substrate the specific features of microstructural devices and electrical or optical components, e.g. for controlling, analysing or signalling the functioning of microstructural devices.

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SUBCLASS B81B MICROSTRUCTURAL DEVICES OR SYSTEMS, e.g. MICROMECHANICAL DEVICES

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B81B	<p>1. This subclass <u>does not cover</u>:</p> <ul style="list-style-type: none"> • purely electrical or electronic devices per se which are covered by section H, e.g. subclass H01L or class H10; • purely optical devices <u>per se</u> which are covered by subclasses G02B or G02F; • essentially two-dimensional structures, e.g. layered products which are covered by subclass B32B; • chemical or biological structures <u>per se</u> which are covered by section C; • structures in atomic scale produced by manipulation of single atoms or molecules, which are covered by group B82B 1/00. 	<p>1. This subclass <u>does not cover</u>:</p> <ul style="list-style-type: none"> • purely electrical or electronic devices <u>per se</u> which are covered by section H, e.g. class H10; • purely optical devices <u>per se</u> which are covered by subclasses G02B or G02F; • essentially two-dimensional [2D] structures, e.g. layered products which are covered by subclass B32B; • chemical or biological structures <u>per se</u> which are covered by section C; • structures in atomic scale produced by manipulation of single atoms or molecules, which are covered by group B82B 1/00.

SUBCLASS C01B NON-METALLIC ELEMENTS; COMPOUNDS THEREOF

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	C01B 39/00	<p>1. In this group, the following term is used with the meaning indicated:</p> <ul style="list-style-type: none"> • "zeolites" means: <ul style="list-style-type: none"> i. crystalline aluminosilicates with base-exchange and molecular sieve properties, having three dimensional, microporous lattice framework structure of tetrahedral oxide units; ii. compounds isomorphous to those of the former category, wherein the aluminium or silicon atoms in the framework are partly or wholly replaced by atoms of other elements, e.g. by gallium, germanium, phosphorus or boron. 	<p>In this group, the following term is used with the meaning indicated:</p> <ul style="list-style-type: none"> • "zeolites" means: <ul style="list-style-type: none"> i. crystalline aluminosilicates with base-exchange and molecular sieve properties, having three-dimensional [3D], microporous lattice framework structure of tetrahedral oxide units; ii. compounds isomorphous to those of the former category, wherein the aluminium or silicon atoms in the framework are partly or wholly replaced by atoms of other elements, e.g. by gallium, germanium, phosphorus or boron.

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SUBCLASS G06V IMAGE OR VIDEO RECOGNITION OR UNDERSTANDING

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	G06V 30/00	This group covers recognition of characters or digital ink, where the characters or the digital ink can include representations in three dimensions, e.g. as written by performing gestures in the air.	This group covers recognition of characters or digital ink, where the characters or the digital ink can include representations in three dimensions [3D], e.g. as written by performing gestures in the air.

SUBCLASS H05K PRINTED CIRCUITS; CASINGS OR CONSTRUCTIONAL DETAILS OF ELECTRIC APPARATUS; MANUFACTURE OF ASSEMBLAGES OF ELECTRICAL COMPONENTS

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	H05K	<p>1. This subclass covers:</p> <ul style="list-style-type: none"> • combinations of a radio or television receiver with <u>apparatus</u> having a different main function; • printed circuits structurally associated with non-printed electric components. <p>2. In this subclass, the following expression is used with the meaning indicated: • "printed circuits" covers all kinds of mechanical constructions of circuits that consist of an insulating base or support carrying the conductor and are combined structurally with the conductor throughout their length, especially in a two-dimensional plane, the conductors of which are secured to the base in a non-dismountable manner, and also covers the processes or <u>apparatus</u> for manufacturing such constructions, e.g. forming the circuit by mechanical or chemical <u>treatment</u> of a conductive foil, paste, or film on an insulating support</p>	<p>1. This subclass covers:</p> <ul style="list-style-type: none"> • combinations of a radio or television receiver with apparatus having a different main function; • printed circuits structurally associated with non-printed electric components. <p>2. In this subclass, the following expression is used with the meaning indicated:</p> <ul style="list-style-type: none"> • "printed circuits" covers all kinds of mechanical constructions of circuits that consist of an insulating base or support carrying the conductor and are combined structurally with the conductor throughout their length, especially in a two-dimensional [2D] plane, the conductors of which are secured to the base in a non-dismountable manner, and also covers the processes or apparatus for manufacturing such constructions, e.g. forming the circuit by mechanical or chemical treatment of a conductive foil, paste or film on an insulating support.