# CPC - COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### HEALTH; AMUSEMENT

## A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

### A61F FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESSES; DEVICES PROVIDING PATENCY TO, OR PREVENTING COLLAPSING OF, TUBULAR STRUCTURES OF THE BODY, e.g. STENTS; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS (dental prosthetics A61C)

#### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

   - A61F 2/56 covered by A61F 2/54
   - A61F 2/62 covered by A61F 2/60
   - A61F 5/045 covered by A61G 13/12
   - A61F 5/052 covered by A61F 5/05
   - A61F 5/447 covered by A61F 5/445
   - A61F 5/452 covered by A61F 5/451
   - A61F 5/457 covered by A61F 5/451
   - A61F 5/458 covered by A61F 5/451
   - A61F 9/01 covered by A61F 9/00802 - A61F 9/00825
   - A61F 9/011 covered by A61F 9/00802 - A61F 9/00825
   - A61F 13/22 covered by A61F 13/206
   - A61F 13/24 covered by A61F 13/2045
   - A61F 13/30 covered by A61F 13/26
   - A61F 13/32 covered by A61F 13/26
   - A61F 13/40 covered by A61M 35/006

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.:

#### 2/00 Filters implantable into blood vessels; Prostheses, i.e. artificial substitutes or replacements for parts of the body; Appliances for connecting them with the body; Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (as cosmetic articles, see the relevant subclasses, e.g. wigs, hair pieces, A41G 3/00, A41G 5/00; artificial nails A45D 31/00; dental prostheses A61C 13/00; materials for prostheses A61L 27/00; artificial hearts A61M 60/00; artificial kidneys A61M 1/14)

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<td>Placed in or outside the body opening close to the surface of the body (plugging an opening in the wall of a hollow or tubular organ A61B 17/0057)</td>
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<td>Support slings</td>
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<td>With pressure applied to urethra by an element placed in the vagina</td>
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<td>With pressure applied to urethra by an element placed around the penis, e.g. penis clamp</td>
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<td>Cosmetic or alloplastic implants (A61F 2/10 - A61F 2/16, A61F 2/28 take precedence)</td>
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<td>Delivery tools thereof</td>
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<td>2002/0077</td>
<td>Special surfaces of prostheses, e.g. for improving ingrowth (A61F 2/30767 takes precedence)</td>
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<tr>
<td>2002/0081</td>
<td>Directly machined on the prosthetic surface, e.g. holes, grooves (A61F 2/30771 takes precedence)</td>
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means for urethra or rectum or for artificial body parts

Prostheses implantable into the body { (closure means for urethra or rectum or for artificial body openings therefor A61F 2002/0094) }

Artificial gland structures using bioreactors (hemodialysis A61M 1/16; hemofiltration A61M 1/34; other extracorporeal blood treatment A61M 1/36) } } 

Hollow or tubular parts of organs, e.g. bladders, tracheae, bronchi or bile ducts (A61F 2/18; A61F 2/20 take precedence; devices, other than stent-grafts, providing patency to, or preventing collapsing of, tubular structures of the body other than stent-grafts, e.g. stents A61F 2/92; instruments specially adapted for placement or removal of stents or stent-grafts A61F 2/95) 

Bile ducts ( A61F 2/95)

Urinary bladders

Bronchi

Oesophagi or esophagi or gullets

Stomach, intestines

Tracheae

Lungs

Ureters

Blood vessels

provided with means for allowing access to secondary lumens

Apparatus for the production of blood vessels made from natural tissue or with layers of living cells (prostheses made from natural tissue or living cells A61L 27/507) 

[with special features to facilitate anastomotic coupling (anastomosis of natural blood vessels A61B 17/1)]

Y-shaped blood vessels

modular

[Modifying the blood flow model, e.g. by diffuser or deflector]

Stent-grafts

Encapsulated stents, e.g. wire or whole stent embedded in lining }

the stent being loosely attached to the graft material, e.g. by stitching

having means to fill the space between stent-graft and aneurysm wall, e.g. a sleeve

Muscles; Tendons; Ligaments {(sutures A61B 17/41) }

[Implants for inserting tendons or ligaments]

[Fixation devices for tendons or ligaments]

Structure of the anchor

[Modular anchors comprising a plurality of separate parts]

without deformation of anchor parts, e.g. fixation screws on bone surface, extending bars, cams, butterflies, spring-loaded pins

[with deformation of anchor parts, e.g. expansion of dowel by set screw]

[Longitudinal channel for insertion tool running through the whole tendon anchor, e.g. for accommodating bone drill, guidewire]

[Mode of fixation of anchor to tendon or ligament]

[Fixation of a loop or U-turn, e.g. eyelets, anchor having multiple holes]

[Fixation of tendon or ligament between anchor and bone, e.g. interference screws, wedges]

[Fixation of tendon or ligament between anchor elements, e.g. by additional screws in the anchor, anchor crimped around tendon]

Anchor integrated into tendons, e.g. bone blocks, integrated rings

Position of anchor in respect to the bone

Anchor in or on top of a bone tunnel, i.e. a hole running through the entire bone

Anchor in or on a blind hole or on the bone surface without formation of a tunnel

[Muscles (non-implantable A61F 2002/5066) ]

Hair or skin implants

Skin implants, e.g. artificial skin

Mammary prostheses and implants

Eye parts, e.g. lenses, corneal implants; corneal lenses connected to distinct attachment means } } 

Artificial eyes

Cornea, e.g. artificial corneae, keratoprostheses or corneal implants for repair of defective corneal tissue

[Conal inlays, onlays, or lenses for refractive correction]

[Implants to be inserted in the stroma for refractive correction, e.g. ring-like implants]

[Implantation instruments specially adapted therefor]
Intraocular lenses

Corrective lenses for use in addition to the natural lenses of the eyes or for pseudo-phakic eyes

Anterior chamber lenses for use in addition to the natural lenses of the eyes, e.g. iris fixated, iris floating

Posterior chamber lenses for use in addition to the natural lenses of the eyes

Having special lens configurations, e.g. multipart lenses; having particular optical properties, e.g. pseudo-accommodative lenses, lenses having aberration corrections, diffractive lenses, lenses for variably absorbing electromagnetic radiation, lenses having variable focus

Pseudo-accommodative, e.g. multifocal enabling monovision

Multifocal lenses

Having adjustable focus; power activated variable focus means, e.g. mechanically or electrically by the ciliary muscle or from the outside

for changing index of refraction, e.g. by external means or by tilting

for changing longitudinal position, i.e. along the visual axis when implanted

for changing radial position, i.e. perpendicularly to the visual axis when implanted

for changing shape

Correcting aberrations caused by inhomogeneities; correcting intrinsic aberrations, e.g. of the cornea, of the surface of the natural lens, aspheric, cylindrical, toric lenses

Aspheric lenses

Cylindrical lenses

Toric lenses

Multipart lenses

Multipart lenses comprising a telescope

Diffractive lenses

Fresnel lenses, prisms or plates

having variable absorption coefficient for electromagnetic radiation, e.g. photochromic lenses

Instruments for inserting intraocular lenses into the eye

(for manual insertion during surgery, e.g. forceps-like instruments

with rotatable plungers

with pushable plungers

with a two-stage plunger, e.g. rotatable and pushable or rotatable at different speeds

with a lubricated inner surface, e.g. the lubricant being coated on the inner surface or being injected through a port

with a separate cartridge or other lens setting part for storage of a lens, e.g. preloadable for shipping

having supporting structure for lens, e.g. haptics

having mechanical force transfer mechanism to the lens, e.g. for accommodating lenses

having filliform haptics

Securing a filliform haptic to a lens body

having plate-haptics

(Surrounding optic)

Supporting structure conforms to shape of capsular bag

Separable from intraocular lens

Having means to temporarily stabilize haptic

Having means on lens to reduce overall dimension of lens for insertion into small incision

Segmented zones

Segments slide

Segments fold

Packages or dispensers for intraocular lenses (for contact lenses A45C 11/005)

Capsul bag spreaders therefor

Having structure for blocking or reducing amount of light transmitted, e.g. glare reduction

Lens includes ultraviolet absorber

Additional features not otherwise provided for

Internal ear or nose parts, e.g. ear-drums (implants for middle ear ventilation or drainage A61F 11/202)

Ear parts

Nose parts

Epiglottis; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se A61F 2/04; ; tracheostomy tubes A61M 16/0465)

comprising an air passage from trachea to oesophagus or to pharynx; Artificial epiglottis

Speech aids with external actuators, e.g. electrical larynxes

Heart valves; Vascular valves, e.g. venous valves; Heart implants, e.g. passive devices for improving the function of the native valve or the heart muscle; Transmyocardial revascularisation (TMR) devices; Valves implantable in the body

with pivoting rigid closure members (check valves with hinged closure members in general F16K 15/003)

without fixed axis
Bones (joints A61F 2/30)

Penis implants

Bones (joints A61F 2/30)

[Support rings therefor, e.g. for connecting valves to tissue (annuloplasty rings A61F 2/2442)]

[with soft flexible valve members, e.g. tissue valves shaped like natural valves (check valves with flexible valve members in general F16K 15/14)]

[Manufacturing methods]

[Scaffolds therefor, e.g. support stents]

[with non-pivoting rigid closure members]

[Ball valves]

[Devices for manipulating or deploying heart valves during implantation]

[Deployment by mechanical expansion]

[using balloon catheter]

[Deployment by retracting a sheath]

[Expansion controlled by filaments]

[Annuloplasty rings or inserts for correcting the valve shape; Implants for improving the function of a native heart valve]

[Annuloplasty rings in direct contact with the valve annulus]

[D-shaped rings]

[Inserts in the coronary sinus for correcting the valve shape]

[Means for preventing inversion of the valve leaflets, e.g. chordae tendineae prostheses]

[Chordae tendineae prostheses]

[Devices for obstructing a leak through a native valve in a closed condition]

[Implants forming part of the valve leaflets]

[Delivery devices therefor]

[with resilient valve members, e.g. conical spiral]

[Devices for testing]

[Venous valves]

[Valves implantable in the body not otherwise provided for]

[Passive devices for improving the function of the heart muscle, i.e. devices for reshaping the external surface of the heart, e.g. bags, strips or bands]

[Devices outside the heart wall, e.g. bags, strips or bands]

[Delivery devices therefor]

[Devices within the heart chamber, e.g. splints]

[Device completely embedded in the heart wall]

[Transmyocardial revascularisation [TMR] devices]

[Devices for determining the dimensions of the prosthetic valve to be implanted, e.g. templates, sizers]

[Penis implants]

[Chin implants]

[Bone stump caps]
{Three-dimensional shapes} {Other shapes} {Concave polygonal shapes}

- [Toroidal, e.g. rings]
- [Other shapes]
- [Horseshoe- or crescent- or C-shaped]
- [Heart-shaped]
- [Y-shaped]
- [X-shaped]
- [W-shaped, M-shaped or sigma-shaped]
- [T-shaped]
- [V-shaped]
- [Rosette- or star-shaped]
- [Kiwi-shaped or bean-shaped]
- [Figure-“8”- or hourglass-shaped]
{ conical }

{ Double convex cones, i.e. element having two convex cones, one at each of its opposite ends }

{ Cones of elliptical or oval basis }

{ frustoconical }

{ Half-cones }

{ having tapered sections of different conicities }

{ Stepped cones, i.e. having discrete diameter changes }

{ hollow cones, e.g. tubular-like cones }

{ cylindrical }

{ Flat cylinders, i.e. discs }

{ arched, domed or vaulted }

{ Cylinders of elliptical or oval basis }

{ wedge-shaped cylinders }

{ Half-cylinders }

{ Stepped cylinders, i.e. having discrete diameter changes }

{ tubular, e.g. sleeves }

{ partial tubes }

{ spherical }

{ the overall spherical surface being composed of a plurality of adjacent circular or polygonal segments, e.g. football-like shaped }

{ Partial spheres }

{ quadric-shaped }

{ ellipsoidal or ovoid }

{ hyperboloidal }

{ paraboloidal }

{ elliptic paraboloid }

{ parallelepipedal }

{ cubical }

{ Flat parallelepipeds }

{ wedge-shaped parallelepipeds }

{ pyramidal }

{ tetrahedral, i.e. having a triangular basis }

{ frustopyramidal }

{ polyhedral different from parallelepipedal and pyramidal }

{ wedge-shaped }

{ rugby-ball-shaped }

{ barrel-shaped }

{ bottle-shaped }

{ helically-coiled }

{ spirally-coiled, i.e. having a 2D spiral cross-section }

{ Cylindrical body made by spirally rolling up a sheet or a strip around itself }

{ Conical or frustoconical body made by spirally rolling up a sheet or a strip around itself }

{ Parallelepipedal body made by spirally rolling up a sheet or a strip around itself }

{ umbrella-shaped or mushroom-shaped }

{ saddle-shaped }

{ polypod-shaped }

{ nose-shaped }

{ hat-shaped or bell-shaped }

{ pear-shaped }

{ The prosthesis having different structural features at different locations within the same prosthesis; Connections between prosthetic parts; Special structural features of bone or joint prostheses not otherwise provided for }

{ The prosthesis having different structural features at different locations within the same prosthesis }

{ differing in moment of inertia }

{ differing in roughness }

{ differing in surface structures }

{ differing in roughness }

{ differing in moment of inertia }

{ differing in surface structures }

{ differing in thickness }

{ differing in height or in length }

{ differing in moment of inertia }

{ differing in surface structures }

{ differing in thickness }

{ differing in height or in length }

{ Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements }

{ made by longitudinally pushing a protrusion into a complementarily-shaped recess, e.g. held by friction fit }

{ Conically- or frustoconically-shaped protrusion and recess }

{ Cone of elliptical or oval basis }

{ Stepped cones, i.e. having discrete diameter changes }

{ Inverted concave conical connections, e.g. for opposing disconnection }

{ Double cones, i.e. connecting element having two conical connections, one at each of its opposite ends }

{ Multiple conical connection, i.e. the protrusion and recess having several tapered sections of different complementary conicities }

{ the male and female complementary cones being of different conicities, i.e. for reducing the contact area }

{ the male convex cone having an inner female concave taper }

{ Protrusion and recess of D-shaped cross-section }

{ Cylindrically-shaped protrusion and recess, e.g. cylinder of circular basis }

{ Cylinder of elliptical or oval basis }

{ Stepped cylinders, i.e. having discrete diameter changes }

{ Pyramidal- or frustopyramidal-shaped protrusion and recess }

{ Protrusion and recess of kidney-shaped cross-section }

{ with possibility of relative movement between the protrusion and the recess }
{ Rotation about the common longitudinal axis }

{ with additional means for limiting said rotation }

{ with additional means for preventing said rotation }

{ Limited lateral translation of the protrusion within a larger recess }

{ Translation along the common longitudinal axis, e.g. piston }

{ with additional means for limiting said translation }

{ with additional means for preventing said translation }

{ with an intermediate bushing or sleeve between the moving parts }

{ [Sphereically-shaped protrusion and recess] }

{ made by laterally inserting a protrusion, e.g. a rib into a complementarily-shaped groove }

{ the rib and groove having non-parallel, e.g. conically-tapered, cooperating sides, e.g. having a trapezoidal front cross-section }

{ Dovetail connection }

{ with possibility of relative movement of the rib within the groove }

{ Rotation }

{ with additional means for limiting said rotation }

{ with additional means for preventing or locking said rotation }

{ Limited lateral translation of the rib within a larger groove }

{ Sliding }

{ with additional means for limiting said sliding }

{ with additional means for preventing or locking said sliding }

{ Longitudinally-oriented cooperating ribs and grooves on mating lateral surfaces of a mainly longitudinal connection }

{ made by screwing complementary threads machined on the parts themselves }

{ Threads machined on spherical, e.g. hemispherical, surfaces }

{ Conical threadings }

{ having threaded portions of different pitches }

{ having two threaded end parts connected by a threaded central part with opposite threads at its opposite ends, i.e. for adjusting the distance between both end parts by rotating the central part }

{ having threads of increasing height or depth }

{ [with a pin cooperating with a helical groove] }

{ [Rounded threads] }

{ [Square threads] }

{ [Bayonet coupling] }

{ made by inserting a protrusion into a slot }

{ made by inserting a hook into a cooperating slot }

{ made by first pushing a necked button longitudinally and then sliding it laterally within a keyhole slot }

{ using additional screws, bolts, dowels, rivets or washers e.g. connecting screws }

{ [using adhesives] }

{ [the adhesive being cement] }

{ [soldered or brazed or welded] }

{ [stapled] }

{ [sutured, ligatured or stitched] }

{ [stapled] }

{ [using band clamps] }

{ [connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type] }

{ [using an intermediate sleeve interposed between both prosthetic parts to be coupled] }

{ [locked by an additional prosthetic mechanism] }

{ [using sharp protrusions, e.g. spikes, for anchoring into connecting prosthetic part] }

{ [using a locking ball] }

{ [using a locking clip] }

{ [using a locking cam] }

{ [Mechanically expandable devices located on the first prosthetic part for locking into or onto the second prosthetic part] }

{ [plastically deformable] }

{ [Circumferential cooperating grooves and beads on cooperating lateral surfaces of a mainly longitudinal connection] }

{ [using a slidable sleeve covering the connection] }

{ [using a locking pin] }

{ [Cooperating protrusions and recesses, e.g. radial serrations, located on abutting end surfaces of a longitudinal connection] }

{ [using a locking ring] }

{ [Snap connection] }

{ [spring biased] }

{ [using a threaded locking member, e.g. a locking screw or a set screw] }

{ [using a locking washer] }

{ [using a locking wedge or block] }

{ [using a locking plate] }

{ [with possibility of relative movement between the prosthetic parts] }
prostheses not otherwise provided for

{ Special structural features of bone or joint
  slots, horizontal or arcuate slots }

{ slotted, e.g. radial or meridian slot
  hollow }

{ Sealing means
  e.g. fixation devices
  with mechanically expandable devices,
  with extending fixation tabs
  collar or flange }

{ having additional means for preventing
  unwanted connections
  having spring elements
  Helical springs
  [Multiple spring systems including
two or more helical springs]

{ about a connection axis or
  implantation axis for selecting
  any one of a plurality of radial
  orientations between two modular
  parts, e.g. Morse taper connections,
at discrete positions, angular
  positions or continuous positions }

{ for adjusting angular orientation
  adjustable }

{ for adjusting a position by
  translation along an axis }

{ along two perpendicular axes
  [for adjusting thickness]
  [Force-limiting means]
  breakable or frangible
  [having elastic means or damping
  means, different from springs, e.g.
  including an elastomeric core or shock
  absorbers] }

{ having spring elements
  Helical springs
  [Leaf springs]
  [2-D spiral springs]

{ with an integral complete or partial
  collar or flange
  with extending fixation tabs
  having apertures, e.g. for receiving
  fixation screws
  with mechanically expandable devices,
  e.g. fixation devices }

{ having a pocket filled with fluid, e.g.
  liquid
  filled with hardenable fluid, e.g.
  curable in-situ
  filled with gas
  having two or more inflatable
  pockets or chambers
  filled with solid particles
  [Sealing means]
  [hollow]

{ slotted, e.g. radial or meridian slot
  ending in a polar aperture, non-polar
  slots, horizontal or arcuate slots
  [stackable]
  [telescopic]

{ Shaft made of a bundle of anchoring
  rods or bristles, e.g. fasciculate shaft
  modular }

{ Sets comprising both cemented and
  non-cemented endoprostheses
  Kits of prosthetic parts to be
  assembled in various combinations
  for forming different prostheses

{ Sets comprising both coated and
  non-coated endoprostheses
  [Sets comprising both primary and
  revision endoprostheses]

{ Sets comprising a plurality of
  prosthetic parts of different sizes or
  orientations }

{ Visible markings for adjusting,
  locating or measuring
  { Features concerning the anatomical
  functioning or articulation of the prosthetic
  joint }

{ Implant for fusing a joint or bone
  material
  Hinged joint, e.g. with transverse axle
  restricting the movement

{ with rotation-limiting stops, e.g.
  projections or recesses
  [bixial]

{ Cardan or gimbal joints
  [having rolling elements between both
  articulating surfaces]

{ having a single rolling (or sliding) ball
  articulating between two cups
  [Joints made of two toroidal rings engaged
together]

{ Ball-and-socket joints
  [Details of the ball-shaped head]

{ [Special cut-outs, e.g. flat or grooved
cut-outs]

{ [Details of the concave socket]

{ [Non-spherical concave inner
  surface]

{ [made of different partially-
  spherical concave portions]

{ having a central conforming
  area surrounded by a peripheral
  annular non-conforming area
  [having a central non-
  conforming area surrounded by a
  peripheral annular conforming area]

{ [with rotation-limiting means]
  [multiaxial, e.g. bixial; multipolar, e.g.
  bipolar or having an intermediate shell
  articulating between the ball and the
  socket]

{ [Dual arrangement of two adjacent ball-
  and-socket joints]

{ [Features concerning an interaction with
  the environment or a particular use of the
  prosthesis]

{ Means for transferring electromagnetic
  energy to implants
  [for data transfer]

{ temporary }
e.g. for modifying a material property

{ Accessories } 

e.g. for modifying a material property

{ Inserts placed into an endoprosthetic cavity, sealing collars for use during cementing A61B 17/8808 takes precedence; sealing membranes for retaining bone substitute A61F 2/2846) } 

{ Collars; Bone edge protectors A61F 2/367; non-prosthetic trochanteric devices A61B 17/74 ) } 

{ Devices connected to the proximal part of an endoprosthetic femoral shaft for reinforcing or replacing the trochanters, e.g. the greater trochanter (proximal parts of endoprosthetic femoral shafts A61F 2/367; non-prosthetic trochanteric devices A61B 17/74 )} 

{ for the lesser trochanter } 

{ Bellows or hose-like seals; Sealing membranes (A61B 17/8808 takes precedence; sealing membranes for retaining bone substitute A61F 2/2846) } 

{ End caps, e.g. for closing an endoprosthetic cavity } 

{ Fixation appliances for connecting prostheses to the body } 

{ for attaching cartilage scaffolds to underlying bone } 

{ by means of a bed of granular material } 

{ Implants for interposition between two natural articular surfaces } 

{ Cartilage endoprostheses (A61F 2/3603 takes precedence) } 

{ made of a sheet covering the natural articular surface, e.g. cap } 

{ Mosaicplasty, i.e. using a plurality of individual cartilage plugs for filling a substantial cartilage defect } 

{ Support means for artificial cartilage, e.g. cartilage defect covering membranes } 

{ Means for culturing cartilage } 

{ Cartilage harvest sites } 

{ Scaffolds for cartilage ingrowth and regeneration } 

{ Special external or bone-contacting surface, e.g. coating for improving bone ingrowth } 

{ [madreporíc] } 

{ applied in original prostheses, e.g. holes or grooves } 

{ Apertures or holes, e.g. of circular cross section } 

{ internally-threaded } 

{ Oblong apertures } 

{ [arcuate] } 

{ [inclined obliquely] } 

{ [plurality of holes] } 

{ [inclined obliquely with respect to each other] } 

{ [perpendicular with respect to each other] } 

{ [stepped or enlarged apertures, e.g. having discrete diameter changes] } 

{ [blind bores, e.g. of circular cross-section] } 

{ [internally-threaded] }
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<td>2002/30803</td>
<td>inclined obliquely</td>
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<td>2002/30805</td>
<td>recesses of comparatively large area with respect to their low depth</td>
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<td>2002/30807</td>
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<td>inclined obliquely with respect to each other</td>
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<td>perpendicular with respect to each other</td>
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<td>2002/30813</td>
<td>stepped or enlarged blind bores, e.g. having discrete diameter changes</td>
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<td>2002/30817</td>
<td>intersecting or overlapping blind bores</td>
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<td>2002/30818</td>
<td>castellated or crenellated</td>
</tr>
<tr>
<td>2002/3082</td>
<td>grooves</td>
</tr>
<tr>
<td>2002/30822</td>
<td>circumferential grooves</td>
</tr>
<tr>
<td>2002/30823</td>
<td>having the shape of a reverse dovetail</td>
</tr>
<tr>
<td>2002/30825</td>
<td>arcuate</td>
</tr>
<tr>
<td>2002/30827</td>
<td>plurality of grooves</td>
</tr>
<tr>
<td>2002/30828</td>
<td>parallel</td>
</tr>
<tr>
<td>2002/3083</td>
<td>inclined obliquely with respect to each other</td>
</tr>
<tr>
<td>2002/30831</td>
<td>perpendicular with respect to each other</td>
</tr>
<tr>
<td>2002/30836</td>
<td>knurled</td>
</tr>
<tr>
<td>2002/30838</td>
<td>microstructures</td>
</tr>
<tr>
<td>2002/3084</td>
<td>nanostructures</td>
</tr>
<tr>
<td>2002/30841</td>
<td>sharp anchoring protrusions for impaction into the bone, e.g. sharp pins, spikes</td>
</tr>
<tr>
<td>2002/30843</td>
<td>pyramidal-shaped</td>
</tr>
<tr>
<td>2002/30845</td>
<td>with cutting edges</td>
</tr>
<tr>
<td>2002/3085</td>
<td>with a threaded, e.g. self-tapping, bone-engaging surface, e.g. external surface</td>
</tr>
<tr>
<td>2002/30851</td>
<td>multiple threadings</td>
</tr>
<tr>
<td>2002/30858</td>
<td>threads interrupted by grooves or sidewalls, e.g. flat sidewalls</td>
</tr>
<tr>
<td>2002/30859</td>
<td>having threaded portions of different pitches</td>
</tr>
<tr>
<td>2002/30861</td>
<td>having threads of increasing or decreasing height</td>
</tr>
<tr>
<td>2002/30863</td>
<td>the entry end surface having flutes, relief grooves, starter notches or bevelled indentations</td>
</tr>
<tr>
<td>2002/30864</td>
<td>microthreads</td>
</tr>
<tr>
<td>2002/30866</td>
<td>rounded threads</td>
</tr>
<tr>
<td>2002/30868</td>
<td>square, rectangular or rhomboidal threads</td>
</tr>
<tr>
<td>2002/30869</td>
<td>dovetail-shaped</td>
</tr>
<tr>
<td>2002/30871</td>
<td>trapezoidal threads</td>
</tr>
<tr>
<td>2002/30873</td>
<td>threadings machined on non-cylindrical external surfaces</td>
</tr>
<tr>
<td>2002/30878</td>
<td>with non-sharp protrusions, for instance contacting the bone for anchoring, e.g. keels, pegs, pins, posts, shanks, stems, struts</td>
</tr>
<tr>
<td>2002/30879</td>
<td>ribs</td>
</tr>
<tr>
<td>2002/30881</td>
<td>circumferential ribs, flanges or fins</td>
</tr>
<tr>
<td>2002/30883</td>
<td>dovetail-shaped</td>
</tr>
<tr>
<td>2002/30884</td>
<td>fins or wings, e.g. longitudinal wings for preventing excessive clearance caused by wear</td>
</tr>
<tr>
<td>2002/30886</td>
<td>externally-threaded</td>
</tr>
<tr>
<td>2002/30889</td>
<td>arcuate pegs</td>
</tr>
<tr>
<td>2002/30891</td>
<td>plurality of protrusions</td>
</tr>
<tr>
<td>2002/30892</td>
<td>parallel</td>
</tr>
<tr>
<td>2002/30894</td>
<td>inclined obliquely with respect to each other</td>
</tr>
<tr>
<td>2002/30896</td>
<td>perpendicular with respect to each other</td>
</tr>
<tr>
<td>2002/30897</td>
<td>stepped protrusions, i.e. having discrete diameter changes</td>
</tr>
<tr>
<td>2002/30899</td>
<td>protrusions pierced with apertures</td>
</tr>
<tr>
<td>2002/30901</td>
<td>longitudinally</td>
</tr>
<tr>
<td>2002/30902</td>
<td>laterally or radially</td>
</tr>
<tr>
<td>2002/30904</td>
<td>serrated profile, i.e. saw-toothed</td>
</tr>
<tr>
<td>2002/30906</td>
<td>shot- sand- or grit-blasted</td>
</tr>
<tr>
<td>2002/3091</td>
<td>nets or sleeves applied to surface of prostheses or in cement</td>
</tr>
<tr>
<td>2002/30909</td>
<td>nets</td>
</tr>
<tr>
<td>2002/30911</td>
<td>having a honeycomb structure</td>
</tr>
<tr>
<td>2002/30912</td>
<td>made of expanded metal, e.g. diamond mesh or metal nets having lozenge-shaped apertures</td>
</tr>
<tr>
<td>2002/30914</td>
<td>details of the mesh structure, e.g. disposition of the woven warp and weft wires</td>
</tr>
<tr>
<td>2002/30915</td>
<td>made of a stack of bonded perforated sheets, grids or wire meshes</td>
</tr>
<tr>
<td>2002/30917</td>
<td>for avoiding direct contact between bone and implant, e.g. extensible membrane for preventing contamination or for easy removal</td>
</tr>
<tr>
<td>2002/30919</td>
<td>sleeves</td>
</tr>
<tr>
<td>2002/3092</td>
<td>having an open-celled or open-pored structure</td>
</tr>
<tr>
<td>2002/30922</td>
<td>hardened surfaces</td>
</tr>
<tr>
<td>2002/30925</td>
<td>etched</td>
</tr>
<tr>
<td>2002/30929</td>
<td>having at least two superposed coatings</td>
</tr>
<tr>
<td>2002/3093</td>
<td>for promoting ingrowth of bone tissue</td>
</tr>
<tr>
<td>2002/30932</td>
<td>for retarding or preventing ingrowth of bone tissue</td>
</tr>
<tr>
<td>2002/30934</td>
<td>special articulating surfaces</td>
</tr>
<tr>
<td>2002/30935</td>
<td>concave articulating surface composed of a central conforming area surrounded by a peripheral annular non-conforming area</td>
</tr>
<tr>
<td>2002/30937</td>
<td>with cut-outs</td>
</tr>
<tr>
<td>2002/30939</td>
<td>means for modifying the geometry of articulating surfaces, e.g. for compensating excessive clearance caused by wear</td>
</tr>
<tr>
<td>2002/3094</td>
<td>designing or manufacturing processes</td>
</tr>
<tr>
<td>2002/30942</td>
<td>for designing or making customized prostheses, e.g. using templates, CT or NMR scans, finite-element analysis or CAD-CAM techniques</td>
</tr>
<tr>
<td>2002/30943</td>
<td>using mathematical models</td>
</tr>
<tr>
<td>2002/30948</td>
<td>using computerized tomography, i.e. CT scans</td>
</tr>
<tr>
<td>2002/30952</td>
<td>using CAD-CAM techniques or NC-techniques</td>
</tr>
<tr>
<td>2002/30953</td>
<td>using a remote computer network, e.g. Internet</td>
</tr>
</tbody>
</table>
NOTE

Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only

Bipolar or multipolar joints, e.g. having a femoral head articulating within an intermediate acetabular shell whilst said shell articulates within the natural acetabular socket or within an artificial outer shell

Tripolar

The diameter of the inner concave femoral head-receiving cavity of the inner acetabular shell being essentially greater than the diameter of the convex femoral head

Having anti-luxation means for preventing complete dislocation of the femoral head from the acetabular cup

Having a ring, e.g. for locking the femoral head into the acetabular cup

Acetabular cups

With radial apertures, e.g. radial bores for receiving fixation screws

Polar aperture

Oblong apertures

Shells having at least two sets of different apertures, e.g. one set located in the equatorial zone and another set located in the polar zone
Femoral heads; Femoral endoprostheses

{ Femoral shafts }

( A61F 2/3601 to endoprosthetic femoral shafts of endoprosthetic heads or necks { Femoral heads or necks; Connections takes precedence ) }

of the femur }

internal fixation devices for the femoral directly fixed to the natural femur by endoprosthetic femoral heads or necks { for replacing only the epiphyseal or }

{ Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees }

than a hemisphere, e.g. extending over less than 160 degrees }

than a hemisphere, e.g. extending over more than 200 degrees }

Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees }

{ Geometrical features }

{ Distal or diaphyseal parts of shafts }

{ Intermediate parts of shafts }

{ Proximal or metaphyseal parts of shafts }

Connections of heads directly to necks

Connections of necks to shafts

Connections of heads to necks

{ Necks }

{ Heads or epiphyseal parts of femur }

endoprosthetic cartilage of the whole natural femoral naturally implanted without ablation of the whole natural femoral head ( endoprosthetic cartilage A61F 2/30756 )

{ Two hemispherical halves having completely different structures }

{ having a convex shape, e.g. hemispherical heads }

{ Shells made of block segments linked by thin connecting strips }

{ Partial acetabular cups, e.g. strips replacing only partially the natural acetabular cartilage }

{ Shell having a wavy or undulated peripheral rim }

{ Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees }

{ Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees }

{ made of two or more concentric caps fitted onto one another }{ including proximal or total replacement of the femur }

{ Femoral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic femoral shafts ( A61F 2/3601 takes precedence ) }

{ Heads or epiphyseal parts of femur }

{ with lateral or oblique apertures, holes or openings }

{ having a concave shape, e.g. hemispherical cups }

{ pierced with a longitudinal bore }

{ Non-spherical heads }

{ Necks }

{ with lateral apertures, holes or openings }

{ with an integral complete or partial peripheral collar or bearing shoulder at its base }

{ pierced with a longitudinal bore }

{ Connections of heads to necks }

{ Connections of necks to shafts }

{ Connections of heads directly to shafts }

{ Femoral shafts }

{ Proximal or metaphyseal parts of shafts ( trochanteric devices connected to said proximal parts A61F 2/30739 ) }

{ Intermediate parts of shafts }

{ Connections of proximal parts to distal parts }

{ Distal or diaphyseal parts of shafts }

{ Geometrical features }

2/38 . . . . . for elbows or knees

NOTE
Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only

2/3804 . . . . . { for elbows }

2/3809 . . . . . { for radio-humeral joints }

2/3813 . . . . . { for ulno-humeral joints }

2/3818 . . . . . { for proximal radio-ulnar joints, i.e. PRU joints }

2/3822 . . . . . { Humeral components }

2/3827 . . . . . { Radial components }

2/3831 . . . . . { Ulnar components }

2/3836 . . . . . { Special connection between upper and lower leg, e.g. constrained }

2/384 . . . . . { hinged, i.e. with transverse axle restricting the movement }

2/3845 . . . . . { allowing only for single rotation }

2/385 . . . . . { also provided with condylar bearing surfaces }

2/3854 . . . . . { with ball and socket joint }

2/3859 . . . . . { Femoral components }

2/3863 . . . . . { Condyles fitted on an anchored base }

2/3868 . . . . . { with sliding tibial bearing }

2/3872 . . . . . { Meniscus for implantation between the natural bone surfaces }

2/3877 . . . . . { Patellae or trochleae }

2/3881 . . . . . { with moving parts }

2/3886 . . . . . { for stabilising knees against anterior or lateral dislocations }

2/389 . . . . . { Tibial components ( A61F 2/3868 takes precedence ) }

2/3895 . . . . . { unicompartimental }

2/40 . . . . . for shoulders

NOTE
Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only

2/4003 . . . . . { Replacing only the epiphyseal or metaphyseal parts of the humerus, i.e. endoprosthesis not comprising an entire humeral shaft ( replacing only the epiphyseal or metaphyseal parts of the femur A61F 2/3601 ) }

2/4007 . . . . . { implanted without ablation of the whole natural humeral head }

12
2002/4011 . . . . . . [including proximal or total replacement of the humerus]
2002/4014 . . . . . . [Humeral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic humeral shafts]
2002/4018 . . . . . . [Heads or epiphyseal parts of humerus]
2002/4022 . . . . . . [having a concave shape, e.g. hemispherical cups]
2002/4029 . . . . . . [Necks]
2002/4033 . . . . . . [with an integral complete or partial peripheral collar at its base]
2002/4037 . . . . . . [Connections of heads to necks]
2002/4044 . . . . . . [Connections of necks to shafts]
2002/4051 . . . . . . [Connections of heads directly to shafts]
2/4059 . . . . . . [Humeral shafts]
2002/4062 . . . . . . [Proximal or metaphyseal parts of shafts]
2002/4066 . . . . . . [for replacement or reinforcement of the greater tubercle]
2002/407 . . . . . . [Intermediate parts of shafts]
2002/4074 . . . . . . [Connections of proximal or metaphyseal parts to distal or diaphyseal parts]
2002/4077 . . . . . . [Distal or diaphyseal parts of shafts]
2/4081 . . . . . . [Glenoid components, e.g. cups]
2002/4085 . . . . . . [having a convex shape, e.g. hemispherical heads]
2002/4088 . . . . . . [Acromial components]
2002/4092 . . . . . . [Clavicular components]
2002/4096 . . . . . . [Coracoid process components]
2/42 . . . . . . for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes
2/4202 . . . . . . [for ankles]
2002/4205 . . . . . . [Tibial components]
2002/4207 . . . . . . [Talar components]
2002/421 . . . . . . [Fibular components, e.g. fibular-malleolar shields]
2002/4212 . . . . . . [Tarsal bones]
2002/4215 . . . . . . [Lateral row of tarsal bones]
2002/4217 . . . . . . [Calcaneum or calcaneus or heel bone]
2002/422 . . . . . . [Medial row of tarsal bones]
2002/4223 . . . . . . [Implants for correcting a flat foot]
2/4225 . . . . . . [for feet, e.g. toes]
2002/4228 . . . . . . [for interphalangeal joints, i.e. IP joints]
2002/4233 . . . . . . [for metatarso-phalangeal joints, i.e. MTP joints]
2002/4238 . . . . . . [for tarsometatarsal joints, i.e. TMT joints]
2/4241 . . . . . . [for hands, e.g. fingers]
2002/4243 . . . . . . [for interphalangeal joints, i.e. IP joints]
2002/4251 . . . . . . [for metacarpo-phalangeal joints, i.e. MCP or MP joints, e.g. knuckle joints]
2002/4253 . . . . . . [for thumbs]
2002/4256 . . . . . . [for carpo-metacarpal joints, i.e. CMC joints]
2002/4258 . . . . . . [for trapezio-metacarpal joints of thumbs]
2/4261 . . . . . . [for wrists]
2002/4264 . . . . . . [for radio-carpal joints]
2002/4266 . . . . . . [for ulno-carpal joints]
2002/4269 . . . . . . [for distal radio-ulnar joints, i.e. DRU joints]
2002/4271 . . . . . . [Carpal bones]
2002/4274 . . . . . . [Distal carpal row, i.e. bones adjacent the metacarpal bones]
2002/4276 . . . . . . [Trapezium]
2002/4279 . . . . . . [Trapezoiid]
2002/4282 . . . . . . [Capitate]
2002/4284 . . . . . . [Hamate]
2002/4287 . . . . . . [Proximal carpal row, i.e. bones adjacent the radius and the ulna]
2002/4289 . . . . . . [Scaphoid or navicular bone]
2002/4292 . . . . . . [Lunate]
2002/4294 . . . . . . [Triquetrum]
2002/4297 . . . . . . [Trapezoid bone]
2/44 . . . . . . for the spine, e.g. vertebrae, spinal discs
2/4405 . . . . . . [for apophyseal or facet joints, i.e. between adjacent spinous or transverse processes (devices implanted between spinous or transverse processes A61B 17/7062)]
2/441 . . . . . . [made of inflatable pockets or chambers filled with fluid, e.g. with hydrogel]
2002/4415 . . . . . . [elements of the prosthesis being arranged in a chain like manner]
2/442 . . . . . . [Intervertebral or spinal discs, e.g. resilient non-disc-shaped intervertebral inflatable pockets A61F 2/441; non-disc-shaped intervertebral fusion implants A61F 2/4455]
2/4425 . . . . . . [made of articulated components]
2002/443 . . . . . . [having two transversal endplates and at least one intermediate component]
2002/4435 . . . . . . [Support means or repair of the natural disc wall, i.e. annulus, e.g. using plates, membranes or meshes]
2002/444 . . . . . . [for replacing the nucleus pulposus]
2002/4445 . . . . . . [Means for culturing intervertebral disc tissue]
2002/445 . . . . . . [Intervertebral disc tissue harvest sites]
2/4455 . . . . . . [for the fusion of spinal bodies, e.g. intervertebral fusion of adjacent spinal bodies, e.g. fusion cages (intervertebral discs A61F 2/442)]
2/446 . . . . . . [having a circular or elliptical cross-section substantially parallel to the axis of the spine, e.g. cylinders or frustocones]
2/4465 . . . . . . [having a circular or kidney shaped cross-section substantially perpendicular to the axis of the spine]
2/447 . . . . . . [substantially parallelepipedal, e.g. having a rectangular or trapezoidal cross-section]
2002/448 . . . . . . [comprising multiple adjacent spinal implants within the same intervertebral space or within the same vertebra, e.g. comprising two adjacent spinal implants]
2002/4485 . . . . . . [comprising three or more adjacent spinal implants]
2002/449 . . . . . . [comprising multiple spinal implants located in different intervertebral spaces or in different vertebrae]
2002/4495 . . . . . . [having a fabric structure, e.g. made from wires or fibres]
2/46 . . . . . . Special tools or methods for implanting or extracting artificial joints, accessories, bone grafts or substitutes, or particular adaptations thereof
2/4601 . . . . . [for introducing bone substitute, for implanting bone graft implants or for compacting them in the bone cavity]
2/4603 . . . . . [for insertion or extraction of endoprosthetic joints or of accessories thereof]
2/4605 . . . . . [of elbows]
2/4606 . . . . . [of wrists or ankles; of hands, e.g. fingers; of feet, e.g. toes]
2/4607 . . . . . [of hip femoral endoprostheses]
2/4609 . . . . . [of acetabular cups]
2/461 . . . . . [of knees]
2/4611 . . . . . [of spinal prostheses]
2/4612 . . . . . [of shoulders]
2/4614 . . . . . [of plugs for sealing a cement-receiving space]
2002/4615 . . . . . [of spacers]
2002/4616 . . . . . [of temporo-mandibular joints]
2/4618 . . . . . [of cartilage]
2002/4619 . . . . . [for extraction]
2002/462 . . . . . [of broken endoprosthetic joint parts]
2002/4622 . . . . . [having the shape of a forceps or a clamp]
2002/4625 . . . . . [with relative movement between parts of the instrument during use]
2002/4627 . . . . . [with linear motion along or rotating motion about the instrument axis or the implantation direction, e.g. telescopic, along a guiding rod, screwing inside the instrument]
2002/4628 . . . . . [with linear motion along or rotating motion about an axis transverse to the instrument axis or to the implantation direction, e.g. clamping]
2002/4629 . . . . . [connected to the endoprosthesis or implant via a threaded connection]
2002/4631 . . . . . [the prosthesis being specially adapted for being cemented]
2002/4632 . . . . . [using computer-controlled surgery, e.g. robotic surgery]
2002/4633 . . . . . [for selection of endoprosthetic joints or for pre-operative planning]
2002/4635 . . . . . [using minimally invasive surgery]
2/4637 . . . . . [for connecting or disconnecting two parts of a prosthesis]
2002/4638 . . . . . [Tools for performing screwing, e.g. nut or screwdrivers, or particular adaptations therefor]
2002/4641 . . . . . [for disconnecting]
2/4644 . . . . . [Preparation of bone graft, bone plugs or bone dowels, e.g. grinding or milling bone material (bone material A61F 2/28; disintegrating or milling devices B02C)]
2002/4645 . . . . . [Devices for grinding or milling bone material]
2002/4646 . . . . . [Devices for cleaning bone graft]
2002/4648 . . . . . [Means for culturing bone graft]
2002/4649 . . . . . [Bone graft or bone dowel harvest sites]
2002/465 . . . . . [using heating means]
2002/4653 . . . . . [using cooling means]
2002/4655 . . . . . [for introducing lubricating fluid]
2/4657 . . . . . [Measuring instruments used for implanting artificial joints (for surgical instruments A61B 90/06)]
2002/4658 . . . . . [for measuring dimensions, e.g. length]
2002/4659 . . . . . [for measuring a diameter]
2002/4661 . . . . . [for measuring thickness]
2002/4662 . . . . . [for measuring penetration depth]
2002/4663 . . . . . [for measuring volumes or other three-dimensional shapes]
2002/4664 . . . . . [for measuring concicities]
2002/4666 . . . . . [for measuring force, pressure or mechanical tension]
2002/4667 . . . . . [for measuring torque]
2002/4668 . . . . . [for measuring angles]
2002/4669 . . . . . [for measuring fluid pressure]
2002/4671 . . . . . [for measuring resonant frequency]
2002/4672 . . . . . [for measuring temperature]
2002/4674 . . . . . [for measuring the pH]
2/4675 . . . . . [for cleaning or coating bones, e.g. bone cavities, prior to endoprosthesis implantation or bone cement introduction (for cleaning teeth cavities A61C 17/00; irrigators A61M 3/02)]
2002/4676 . . . . . [for coating the bony surface]
2002/4677 . . . . . [using a guide wire]
2/468 . . . . . [Testing instruments for artificial joints (for testing non-implantable prostheses A61F 2/76)]
2002/4681 . . . . . [by applying mechanical shocks, e.g. by hammering]
2002/4683 . . . . . [by applying ultrasonic vibrations]
2/4684 . . . . . [Trial or dummy prostheses]
2002/4685 . . . . . [by means of vacuum]
2002/4687 . . . . . [Mechanical guides for implantation instruments]
2002/4688 . . . . . [having operating or control means]
2002/4689 . . . . . [acoustic]
2002/469 . . . . . [electrical]
2002/4692 . . . . . [fluid]
2002/4693 . . . . . [hydraulic]
2002/4694 . . . . . [pneumatic]
2002/4696 . . . . . [optical]
2002/4698 . . . . . [magnetic]
2/48 . . . . . Operating or control means, e.g. from outside the body, control of sphincters
2/481 . . . . . [Acoustic or audible means]
2/482 . . . . . [Electrical means]
2/484 . . . . . [Fluid means, i.e. hydraulic or pneumatic]
2/488 . . . . . [Means for detecting or monitoring wear]
2/50 . . . . . Prostheses not implantable in the body (closure means for urethra or rectum or for artificial body openings therefor A61F 2/0006)
2002/5001 . . . . . [Cosmetic coverings]
2002/5003 . . . . . [having damping means, e.g. shock absorbers (for implantable joints A61F 2/0056)]
2002/5004 . . . . . [operated by electro- or magnetorheological fluids]
2002/5006 . . . . . [Dampers, e.g. hydraulic damper]
2002/5007 . . . . . [having elastic means different from springs, e.g. including an elastomeric insert (elastic coating A61F 2/0007; springs A61F 2/0072; plate-like springs for feet A61F 2/065)]
2002/5009 . . . . . [having two or more elastomeric blocks]
2002/501 . . . . . [having an inflatable pocket filled with fluid, i.e. liquid or gas]
2002/5012 . . . . . [having two or more inflatable pockets]
A61F

2002/5013 . . . (filled with particles (for joints A61F 2002/30588))

2002/5015 . . . (hardenable fluid, e.g. curable in-situ or cold-hardening casting substance)

2002/5016 . . . (adjustable (for implantable prostheses A61F 2002/30577))

2002/5018 . . . (for adjusting angular orientation)

2002/502 . . . (for adjusting length (for implantable joints A61F 2002/30555))

2002/5021 . . . (for adjusting a position by translation along an axis)

2002/5023 . . . (along two perpendicular axes)

2002/5024 . . . (for adjusting thickness)

2002/5026 . . . (for adjusting a diameter)

2002/5027 . . . (for adjusting cross-section)

2002/5029 . . . (for adjusting weight or mass)

2002/503 . . . (for adjusting elasticity, flexibility, spring rate or mechanical tension)

2002/5032 . . . (for adjusting fluid pressure)

2002/5033 . . . (for adjusting damping (damping means A61F 2002/5003))

2002/5035 . . . (for adjusting volume flow)

2002/5036 . . . (self-adjustable, e.g. self-learning)

2002/5038 . . . (Hinged joint, e.g. with transverse axle restricting the movement (for implantable joints A61F 2002/30624))

2002/5039 . . . (allowing only for single rotation)

2002/5041 . . . (having bearing bushes between the rotating parts)

2002/5043 . . . (with rotation-limiting stops, e.g. projections or recesses)

2/5044 . . . (Designing or manufacturing processes)

2/5046 . . . (for designing or making customized prostheses, e.g. using templates, finite-element analysis or CAD-CAM techniques)

2002/5047 . . . (using mathematical models A61F 2002/505 takes precedence)

2002/5049 . . . (Computer aided shaping, e.g. rapid prototyping)

2002/505 . . . (using CAD-CAM techniques or NC-techniques)

2002/5052 . . . (Direct moulding or reforming to the stump)

2002/5053 . . . (using a positive or a negative model, e.g. casting model or mould)

2002/5055 . . . (Reinforcing prostheses by embedding particles or fibres during moulding or dipping, e.g. carbon fibre composites)

2002/5056 . . . (Laminates, i.e. layered products)

2002/5058 . . . (having means for restoring the perception of senses)

2002/5059 . . . (the feeling of position)

2002/5061 . . . (the sense of touch)

2002/5063 . . . (the feeling of temperature, i.e. of warmth or cold)

2002/5064 . . . (for reducing pain from phantom limbs)

2002/5066 . . . (Muscles (implantable A61F 2002/0894))

2002/5067 . . . (having rolling elements between articulating surfaces (for implantable joints A61F 2002/30639))

2002/5069 . . . (Ball bearings)

2002/507 . . . (Roller bearings)
Vanes or curved-cylinder type actuators, motors or solenoids

Bioelectric control, e.g. myoelectric

Reduction gears

Clutches

Feedback system for providing user sensation, e.g. by force, contact or position

Gears specially adapted therefor, e.g. reduction gears

Operating or control means

Remote control

Biologic control, e.g. myoelectric

Fluid [i.e. hydraulic or pneumatic]

Using powered actuators, e.g. stepper motors or solenoids

Low pressure systems, e.g. vacuum pump

Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons

Valve systems

Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing. e.g. alignment means

For assembling by heating (for implanting artificial joints A61F 2002/465)

For assembling by cooling (for implanting artificial joints A61F 2002/465)

Measuring means (for implanting artificial joints A61F 2/4657)

For measuring dimensions, e.g. a distance

For measuring angular position

[Patellae]

Feet; Ankle joints

[Ankle joints]

[Toes]

[Big toes]

[Metatarsals]

[Heels]

[Soles]

(has a plate-like or strip-like spring element, e.g. an energy-storing cantilever spring keel)

Dual structures made of two connected cantilevered leaf springs

[C-shaped]

[L-shaped]

[S-shaped]

[Circular or loop-shaped]

[Acoustic]

[For braking]

[Feedback system for providing user sensation, e.g. by force, contact or position]

[Gears specially adapted therefor, e.g. reduction gears]

[Clutches]

[For locking or unlocking a joint]

[Magnetic (magnetic prosthetic parts A61F 2002/30079)]

[Attached and mechanically operated by remaining muscle (bioelectrical control A61F 2/72)]

[Optical]

[Alarm means, e.g. acoustic]

[Operated by electrically controlled means, e.g. solenoids or torque motors]

[Battery-charging stations]

[Computer-controlled, e.g. robotic control]

[Electromagnetic data transfer (for implantable prostheses A61F 2002/3002)]

[Remote control]

[Electrically self charging]

[Bioelectric control, e.g. myoelectric]

[Fluid, i.e. hydraulic or pneumatic]

[Using powered actuators, e.g. stepper motors or solenoids]

[Low pressure systems, e.g. vacuum pump]

[Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons]

[Valve systems]

Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing. e.g. alignment means

For assembling by heating (for implanting artificial joints A61F 2002/465)

For assembling by cooling (for implanting artificial joints A61F 2002/465)

Measuring means (for implanting artificial joints A61F 2/4657)

For measuring dimensions, e.g. a distance

For measuring angular position

[for measuring spatial position, e.g. global positioning system [GPS]]

[for measuring force, pressure or mechanical tension]

[for measuring acceleration]

[for measuring torque, e.g. hinge or turning moment, moment of force]

[for measuring time or frequency]

[for measuring fluid pressure]

[for measuring moisture]

[for measuring temperatures]

[for measuring blood pressure]

[for measuring oxygen content]

[for measuring battery status]

[located on natural or sound-site limbs, e.g. comparison measuring means]

[Displaying measured values]

[Means for testing non-implantable prostheses (for testing implantable prostheses A61F 2240/008; for implanting artificial joints A61F 2/468)]

[Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump]

[Using adhesive means (for connecting prosthetic parts A61F 2002/30484)]

[Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump]

[Stockings or socks for the limb stump (cosmetic coverings A61F 2002/3001)]

[Devices for putting-on or pulling-off stockings]

[With a rope for pulling the sock inside the socket]

[Sleeves for attaching or protecting, i.e. open ended hoses]

[Inflatable bladders]

[Pads, e.g. relief pads]

[Having finger loops or grips]

[Harnesses, straps (for connecting prosthetic parts A61F 2002/30462)]

[Means for putting-on or pulling-off prostheses]

[With releasable ratchets or pegs (snap connections A61F 2002/305; pushing a peg into a hole A61F 2002/30331)]

[Using hook and loop-type fasteners (for connecting prosthetic parts A61F 2002/30467)]

[For connecting limb exoprotheses to the stump bone]

[Using slide fasteners, e.g. zippers]

[Sockets, e.g. of suction type]

[Suction sockets, i.e. utilizing differential air pressure to retain the prosthesis on the stump]

[Having an air valve]

[Having a vacuum reservoir chamber]
. Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (stent-grafts for tubular structures of the body other than blood vessels A61F 204; stent-grafts for blood vessels A61F 207; instruments specially adapted for placement or removal of stents or stent-grafts A61F 295; for closing wounds, or holding wounds closed A61B 17/04; A61B 17/113; dilators A61M 2900)

2/82 . . . . . . [Ostial stents]
2/82 . . . . . . [Stents, different from stent-grafts, adapted to cover an aneurysm]
2/82 . . . . . . [having longitudinal struts]
2/82 . . . . . . [more than one stent being applied sequentially]
2/82 . . . . . . [Means for connecting a plurality of stents allowing flexibility of the whole structure]
2/844 . . . . . . folded prior to deployment
2/848 . . . . . . having means for fixation to the vessel wall, e.g. barbs
2/82/8483 . . . . . . [Barbs]
2/82/8486 . . . . . . [provided on at least one of the ends]
2/82 . . . . . . Two or more distinct overlapping stents
2/86 . . . . . . Single tubular stent with a side portal passage
2/88 . . . . . . Stents in a form characterised by the wire-like elements; Stents in the form characterised by a net-like or mesh-like structure
2/88 . . . . . . the wire-like elements formed as helical or spiral coils (forming a net-like or mesh-like structure A61F 290)
2/885 . . . . . . [comprising a coil including a plurality of spiral or helical sections with alternate directions around a central axis]
2/89 . . . . . . the wire-like elements comprising two or more adjacent rings flexibly connected by separate members
2/90 . . . . . . characterised by a net-like or mesh-like structure
2/91 . . . . . . made from perforated sheet material or tubes, e.g. perforated by laser cuts or etched holes
2/915 . . . . . . with bands having a meander structure, adjacent bands being connected to each other
2/92 . . . . . . [the meander having a difference in amplitude along the band]
2/92 . . . . . . [the meander having a change in frequency along the band]
2/92 . . . . . . [within the whole structure different bands showing different meander characteristics, e.g. frequency or amplitude]
2/92/9233 . . . . . . characterised by the phase between adjacent bands
2/92/9241 . . . . . . [Adjacent bands are arranged out of phase]
2/92/9255 . . . . . . [Adjacent bands being connected to each other]
2/92/9258 . . . . . . [connected peak to peak]
2/92/9266 . . . . . . [connected trough to trough]
2/92/9275 . . . . . . [connected peak to trough]
2/92/9283 . . . . . . [by a bridge, whereby at least one of its ends is connected along the length of a strut between two consecutive apices within a band]
2/92/91591 . . . . . . . . . . . . [Locking connectors, e.g. using male-female connections]
2/92 . . . . . . Stents in the form of a rolled-up sheet expanding after insertion into the vessel {, e.g. with a spiral shape in cross-section}
2/93 . . . . . . circumferentially expandable by using ratcheting locks
2/94 . . . . . . Stents retaining their form, i.e. not being deformable, after placement in the predetermined place
2/945 . . . . . . hardenable, e.g. stents formed in situ
2/95 . . . . . . Instruments specially adapted for placement or removal of stents or stent-grafts
2/9505 . . . . . . [having retaining means other than an outer sleeve, e.g. male-female connector between stent and instrument]
2/9511 . . . . . . [the retaining means being filaments or wires]
2/9517 . . . . . . [handle assemblies therefor]
2/9522 . . . . . . [Means for mounting a stent or stent-graft onto or into a placement instrument]
2/9524 . . . . . . [Iris-type crimper]
2/9525 . . . . . . [using a funnel]
2/9526 . . . . . . [using a mandrel]
2/9528 . . . . . . [for retrieval of stents]
2/9534 . . . . . . [for repositioning of stents]
2/954 . . . . . . [for placing stents or stent-grafts in a bifurcation]
2/958 . . . . . . Inflatable balloons for placing stents or stent-grafts
2/9583 . . . . . . [Means for holding the stent on the balloon, e.g. using protrusions, adhesives or an outer sleeve]
2/9586 . . . . . . [the means being inside the balloon]
2/962 . . . . . . having an outer sleeve
2/962/9623 . . . . . . [the sleeve being reinforced]
2/966 . . . . . . with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod
2/9661 . . . . . . [the proximal portion of the stent or stent-graft is released first]
2/9662 . . . . . . [the middle portion of the stent or stent-graft is released first]
2/9665 . . . . . . [with additional retaining means]
2/97 . . . . . . the outer sleeve being splittable
3/00 Lengthening pieces for natural legs
4/00 Methods or devices enabling patients or disabled persons to operate an apparatus or a device not forming part of the body (operating or control means for prostheses A61F 248; A61F 268)
5/00 Orthopaedic methods or devices for non-surgical treatment of bones or joints (surgical instruments or methods for treatment of bones or joints, devices specially adapted therefor A61B 17/56; Nursing devices: [Anti-rape devices](bandages, dressings or absorbent pads A61F 1300)
5/0003 . . . . . . [Apparatus for the treatment of obesity; Anti-eating devices (surgical instruments or methods for treatment of obesity, devices specially adapted therefor A61B 17/00; hollow or tubular parts of organs A61F 2/04)]
5/0006 . . . . . . [Diet or mouth appliances]
5/0009 . . . . . . [External belts]
5/0013 . . . . . . [Implantable devices or invasive measures]
5/0086 . . . . . . . . . . . (using clamps, folding means or the like)
5/0089 . . . . . . . . . . . (instruments for placement or removal)
5/0093 . . . . . . . . . . . (rectal devices, e.g. for the treatment of haemorrhoids)
5/0096 . . . . . . . . . . . (anti-rave devices)
5/01 . . . . . . . . . . . orthopaedic devices, e.g. splints, casts or braces
5/0102 . . . . . . . . . . . (specially adapted for correcting deformities of the limbs or for supporting them; orthoses, e.g. with articulations)
5/0104 . . . . . . . . . . . (without articulation)
5/0106 . . . . . . . . . . . (for the knees)
5/0109 . . . . . . . . . . . (sleeve-like structures)
5/0111 . . . . . . . . . . . (for the feet or ankles)
5/0113 . . . . . . . . . . . (drop-foot appliances)
5/0116 . . . . . . . . . . . (for connecting the feet to each other or to fixed surroundings (A61F 5/0193 takes precedence))
5/0118 . . . . . . . . . . . (for the arms, hands or fingers)
5/012 . . . . . . . . . . . (inflatable)
5/0123 . . . . . . . . . . . (for the knees (A61F 5/0106 takes precedence))
5/0125 . . . . . . . . . . . (the device articulating around a single pivot-point)
5/0127 . . . . . . . . . . . (for the feet (A61F 5/0111 takes precedence))
5/013 . . . . . . . . . . . (for the arms, hands or fingers (A61F 5/0118 takes precedence))
2005/0132 . . . . . . . . . . . [additional features of the articulation]
2005/0134 . . . . . . . . . . . [with two orthogonal pivots]
2005/0137 . . . . . . . . . . . [with two parallel pivots]
2005/0139 . . . . . . . . . . . [geared]
2005/0141 . . . . . . . . . . . [with more than two parallel pivots]
2005/0144 . . . . . . . . . . . [multibar]
2005/0146 . . . . . . . . . . . [combining rotational and sliding movements, e.g. simulating movements of a natural joint]
2005/0148 . . . . . . . . . . . [floating pivotal axis]

A61F

2005/0151 . . . . . . . . . . . [combining rotational and torsional movements]
2005/0153 . . . . . . . . . . . [combining rotational and stretching movements]
2005/0155 . . . . . . . . . . . [with actuating means]
2005/0158 . . . . . . . . . . . [with locking means]
2005/016 . . . . . . . . . . . [in standing position]
2005/0162 . . . . . . . . . . . [when weight is applied]
2005/0165 . . . . . . . . . . . [with limits of movement]
2005/0167 . . . . . . . . . . . [adjustable]
2005/0169 . . . . . . . . . . . [with damping means]
2005/0172 . . . . . . . . . . . [with cushions]
2005/0174 . . . . . . . . . . . [laterally placed]
2005/0176 . . . . . . . . . . . [supporting the patella]
2005/0179 . . . . . . . . . . . [with spring means]
2005/0181 . . . . . . . . . . . [protectors for articulations]
2005/0183 . . . . . . . . . . . [hip protectors, e.g. for elderly people]
2005/0186 . . . . . . . . . . . [thumb protectors]
2005/0188 . . . . . . . . . . . [having pressure sensors]
5/019 . . . . . . . . . . . . . . . . . . . . . . . [toe correcting or spreading devices]
5/0193 . . . . . . . . . . . . . . . . . . . . . . . [apparatus specially adapted for treating hip dislocation; abduction splints]
5/0195 . . . . . . . . . . . . . . . . . . . . . . . [shoe-like orthopaedic devices for protecting the feet against injuries after operations]
2005/0197 . . . . . . . . . . . . . . . . . . . . . . . (with spring means)
5/02 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . orthopaedic corsets (arm-rests for use as writing aids B43L 15/00)
5/022 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [consisting of one or more shells]
5/024 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [having pressure pads connected in a frame for correction or correction of the curvature of the spine]
5/026 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [back straightening devices with shoulder braces to force back the shoulder to obtain a correct curvature of the spine (for clavicle fractures A61F 5/05808; restraining devices A61F 5/371)]
5/028 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [braces for providing support to the lower back, e.g. lumbo sacral supports]
5/03 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . corsets or bandages for abdomen, teat or breast support, with or without pads (trusses A61F 5/24; pressure-pads A61F 5/30); brassieres A41C 3/00)

NOTE

Bandages for support of breasts or abdomen are classified in group A61F 13/14

5/04 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . devices for stretching or reducing fractured limbs; devices for distractions; splints (plaster of paris bandages A61F 13/04; with surgery A61B 17/60)
5/042 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . for extension or stretching
5/048 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . traction splints
5/05 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . for immobilising (A61F 5/0102 takes precedence)
5/055 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . cervical collars
5/058 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . splints
5/05808 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [splints for clavicle fractures]
5/05816 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [inflatable splints]
5/05825 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [strips of substantially planar form]
5/05833 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [splints rigidified by vacuum evacuation]
5/05841 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . [for the limbs (A61F 5/05816; A61F 5/05833 take precedence)
Devices for promoting penis erection (penis
implants A61F 2/26; massage of the genitals
A61H 19/00)
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**7/00** Heating or cooling appliances for medical or therapeutic treatment of the human body (heating or cooling means in connection with bedsteads or mattresses A47C 21/00; massage, therapeutic baths A61H; hyperthermia using electric or magnetic fields or ultrasound A61N; electric heating elements H05B)
Compresses or poultices for effecting heating or therapy (A61F 2007/0238) {made of a substance with therapeutic action, e.g. copper or silver}

Cooling Compresses or poultices for effecting heating or therapy (A61F 2007/0238) {made of a substance with therapeutic action, e.g. copper or silver}

Devices for manufacturing heating or cooling devices for therapy (A61F 7/08) {with separable compartments, e.g. reconnectable}

7/0091 {inflatable}
7/0092 {with, or also with, a substance other than air}
7/0093 {programmed}
7/0094 {using a remote control}
7/0095 {with a temperature indicator}
7/0096 {with a thermometer}
7/0097 {Blankets with active heating or cooling sources (warming mats A61F 7/08)}
7/0098 {ways of manufacturing heating or cooling devices for therapy}
7/02 {Compresses or poultices for effecting heating or cooling}

7/0201 {shaped as a doll}
7/0203 {Cataplasms, poultices or compresses, characterised by their contents; Bags therefor}
7/0204 {containing clay, mud, fango, sand, kaolin clay, volcanic or other inorganic granular solids}
7/0206 {containing organic solids or fibres}
7/0207 {Plants, dried plants, seeds or fruits}
7/0209 {Synthetics, e.g. plastics}
7/0211 {Granulars}
7/0212 {Foams}
7/0214 {Polymers, e.g. water absorbing}
7/0215 {containing liquids other than water}
7/0217 {Oils}
7/0219 {Gels}
7/022 {Bags therefor}
7/0222 {made of synthetics, e.g. plastics}
7/0223 {made of textiles}
7/0225 {connected to the body or a part thereof}
7/0226 {adhesive, self-sticking}
7/0228 {with belt or strap, e.g. with buckle}
7/0223 {with pockets for receiving packs or pouches}
7/0231 {hook and loop-type fastener}
7/0233 {connected to or incorporated in clothing or garments (A61F 2007/023 takes precedence)}
7/0234 {for the upper part of the trunk, e.g. bodice}
7/0236 {for the lower part of the trunk, e.g. panty}
7/0238 {in a pocket (A61F 2007/023 takes precedence)}
7/0239 {using vacuum}

7/0241 {Apparatus for the preparation of hot packs, hot compresses, cooling pads, e.g. heaters or refrigerators}
7/0242 {heated by microwaves}
7/0244 {with layers}
7/0246 {with a layer having high heat transfer capability}
7/0247 {using a substance with high conductivity}
7/0249 {with a layer having low heat transfer capability}
7/025 {retaining air or other gas}
7/0252 {in closed compartments}
7/0253 {using a substance with low conductivity (A61F 2007/025 takes precedence)}
7/0255 {with a reflective layer}
7/0257 {with a fluid impermeable layer}
7/0258 {with a fluid permeable layer}
7/026 {with a fluid absorbing layer}
7/0261 {medicated}
7/0263 {made of a substance with therapeutic action, e.g. copper or silver}
7/0265 {antiallergic}
7/0266 {without external heat source, i.e. using one's own body heat (A61F 2007/0061 takes precedence)}
7/0268 {having a plurality of compartments being filled with a heat carrier (heat packs stored in pockets A61F 2007/025, A61F 2007/0238)}
7/0269 {with separable compartments, e.g. reconnectable}
7/0271 {Permanently separable compartments, e.g. with rupturable portions}
7/0273 {with openings in the walls between the compartments serving as passageways for the filler (flowing in circuits A61F 2007/0054, A61F 2007/0059)}
7/0274 {the walls being reduced to spot connections, e.g. spot welds}
7/0276 {with separate compartments connectable by rupturing a wall or membrane}
7/0277 {Other details of hot water bottles, heat packs or cold packs}
7/0279 {Removable covers or sleeves (pockets connected to the body or parts thereof A61F 2007/023, A61F 2007/0238)}
7/028 {Devices for wringing}
7/0282 {for particular medical treatments or effects}
7/0284 {Treatment of stings or bites}
7/0285 {Local anaesthetic effect}
7/0287 {Preventing negative effects of chemotherapy}
7/0288 {during operations}
7/029 {Fat cell removal or destruction by non-ablative heat treatment}
7/0292 {using latent heat produced or absorbed during phase change of materials, e.g. of super-cooled solutions}
7/0293 {Triggers, activators or catalysts thereof}
7/0295 {for heating or cooling or use at more than one temperature}
7/0296 {Intervals of heating alternated with intervals of cooling}
7/0298 {with a section for heating and a section for cooling}
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7/03 . . . thermophore, i.e. self-heating, e.g. using a chemical reaction
7/032 . . . [using oxygen from the air, e.g. pocket-stoves]
7/034 . . . [Flameless]
2007/036 . . . . . . [Fuels]
2007/038 . . . . . . {Carbon or charcoal, e.g. active}
7/08 . Warming pads, pans or mats (A61F 7/02 takes precedence); Hot-water bottles
2007/083 . . . . . . {with an outlets tube, e.g. for enema or irrigation}
7/086 . . . . . . {Closures; Filling openings}
7/10 . . . . . . {Cooling bags, e.g. ice-bags}
2007/101 . . . . . . {for cooling organs in the body before or during surgery}
7/103 . . . . . . {refillable}
2007/105 . . . . . . {Closures specially adapted for icebags or packs}
7/106 . . . . . . {self-cooling, e.g. using a chemical reaction}
2007/108 . . . . . . {Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment}
7/12 . . . . . . . . . Devices for heating or cooling internal body cavities
7/123 . . . . . . . . . {using a flexible balloon containing the thermal element}
2007/126 . . . . . . . . . {for invasive application, e.g. for introducing into blood vessels}

Treatment or protection of the eyes or ears; Substitution by other senses

9/00 . . Methods or devices for treatment of the eyes; Devices for putting-in contact lenses; Devices to correct squinting; Apparatus to guide the blind; Protective devices for the eyes, carried on the body or in the hand (caps with means for protecting the eyes A42B 1/018; visors for helmets A42B 3/22; retractors A61B 17/02; manipulators specially adapted for use in surgery A61B 34/70); appliances to aid invalids to move about A61H 5/00; {exercisers for the eyes A61H 5/00}; eye baths A61H 35/02; sunglasses or goggles having the same features as for the eyes A61H 5/00
9/0017 . . . {applicable, in or contact with, the eye, e.g. ocular inserts}
9/0026 . . . . . {Ophthalmic product dispenser attachments to facilitate positioning near the eye}
2009/0035 . . . . {Devices for immobilising a patient's head with respect to the instrument}
2009/0043 . . . . . {by supporting the instrument on the patient's head, e.g. head bands}
2009/0052 . . . . . . {the instrument being supported on the patient's eye}
9/0061 . . . . . {Devices for putting-in contact lenses}
9/007 . . . . . . {Methods or devices for eye surgery}
9/00709 . . . . . . {Instruments for removing foreign bodies (for removal of intra-ocular material A61F 9/00736)}
9/00718 . . . . . . {Restoration of lid function}
9/00727 . . . . . . {Apparatus for retinal reattachment}
9/00736 . . . . . . {Instruments for removal of intra-ocular material or intra-ocular injection, e.g. cataract instruments (A61F 9/008 takes precedence)}
9/00745 . . . . . . {using mechanical vibrations, e.g. ultrasonic}
9/00754 . . . . . . {for cutting or perforating the anterior lens capsule, e.g. capsulotomes}
9/00763 . . . . . . {with rotating or reciprocating cutting elements, e.g. concentric cutting needles (atherectomy cutting instruments A61B 17/3207; endoscopic cutting instruments A61B 17/320016)}
9/00772 . . . . . . {Apparatus for restoration of tear ducts}
9/00781 . . . . . . {Apparatus for modifying intraocular pressure, e.g. for glaucoma treatment (drainage implants in general A61M 27/002)}
9/0079 . . . . . . {using non-laser electromagnetic radiation, e.g. non-coherent light or microwaves}
9/008 . . . . . . {using laser}
9/00802 . . . . . . {for photoablation}
9/00804 . . . . . . {Refractive treatments}
9/00806 . . . . . . {Correction of higher orders}
9/00808 . . . . . . {Inducing higher orders, e.g. for correction of presbyopia}
9/0081 . . . . . . {Transplantation}
9/00812 . . . . . . {Inlays; Onlays; Intraocular lenses [IOL]}
9/00814 . . . . . . {Laser features or special beam parameters therefor}
9/00817 . . . . . . {Beam shaping with masks}
9/00819 . . . . . . {with photoablatable masks}
9/00821 . . . . . . {for coagulation}
9/00823 . . . . . . {Laser features or special beam parameters therefor}
9/00825 . . . . . . {for photodisruption}
9/00827 . . . . . . {Refractive correction, e.g. lenticle}
9/00829 . . . . . . {Correction of higher orders}
9/00831 . . . . . . {Transplantation}
9/00834 . . . . . . {Inlays; Onlays; Intraocular lenses [IOL]}
9/00836 . . . . . . {Flap cutting}
9/00838 . . . . . . {Correction of presbyopia}
9/0084 . . . . . . {Laser features or special beam parameters therefor}
2009/00842 . . . . . . {Permanent Structural Change [PSC] in index of refraction; Limit between ablation and plasma ignition}
2009/00844 . . . . . . {Feedback systems}
2009/00846 . . . . . . {Eyetracking}
2009/00848 . . . . . . {based on wavefront}
2009/00851 . . . . . . {Optical coherence topography [OCT]}
2009/00853 . . . . . . {Laser thermal keratoplasty or radial keratotomy}
2009/00855 . . . . . . {Calibration of the laser system}
2009/00857 . . . . . . {considering biodynamics}
2009/00859 . . . . . . {considering nomograms}
2009/00861 . . . . . . {adapted for treatment at a particular location}
2009/00863 . . . . . . {Retina}
2009/00865 . . . . . . {Sclera}
2009/00868 . . . . . . {Ciliary muscles or trabecular meshwork}
2009/0087 . . . . . . {Lens}
2009/00872 . . . . . . {Cornea}
2009/00874 . . . . . . {Vitreous}
2009/00876 . . . . . . {Iris}
2009/00878 . . . . . . {Planning}
2009/0088 . . . . . . {based on wavefront}
2009/00882 . . . . . . {based on topography}
2009/00885 . . . . . . {for treating a particular disease}
2009/00887 . . . . . . {Cataract}
Treatment or protection of the eyes or ears; Substitution by other senses

11/00 Methods or devices for treatment of the ears or hearing sense (implantable prostheses that substitute or replace internal ear parts, e.g. ear-drums, A61F 2/18; methods or devices to cause a change in the state of auditory consciousness A61M 21/00; electrotherapy applying electrical stimulation of the auditory system, or circuits therefor A61N 1/36; radiotherapy using optical stimulation of the auditory system A61N 5/06; electro-acoustic hearing aids H04R 25/00); Non-electric hearing aids; Methods or devices for enabling ear patients to achieve auditory perception through physiological senses other than hearing sense; Protective devices for the ears, carried on the body or in the hand (headwear, e.g. caps or helmets, with means for protecting the ears A42B 1/018, A42B 3/16)

11/06 . (Ear cleaners, e.g. curettes (cotton tips A61F 13/38; cleaning by suction A61M 1/71, by irrigation A61M 3/02))

11/04 . Methods or devices for enabling ear patients to achieve auditory perception through physiological senses other than hearing sense, e.g. through the touch sense (electronic stimulation of auditory nerves A61N 1/3603)

Bandages, dressings or absorbent pads; First-aid kits

13/00 Bandages or dressings (radioactive dressings A61N 5/1029); Absorbent pads

13/0051 . [Accessories for dressings]
13/0055 . [Saturation indicators]
13/0059 . [provided with visual effects, e.g. printed or colored]
13/0063 . [comprising medicaments or additives, e.g. odor control, PH control, debriding, antimicrobic (drug delivery dressings A61K 9/70; chemical aspect of the additives A61L 15/00)]
13/0072 . [Packaging of dressings]
13/0076 . [Packaging of adhesive dressings]
13/008 . [having means for facilitating the removal of the packaging and release liner]
13/0085 . [having means for facilitating the application on the skin, e.g. single hand handling facilities (A61F 13/0259 takes precedence; bandage applicators separate from the bandage or the packaging A61F 15/0005)]
13/0089 . (Wound bandages (A61F 2013/00361 takes precedence))

13/0093 . (tubular)
13/0097 . [net structure]
13/0102 . [oblong]
13/0106 . [emergency bandages, e.g. for first aid]
2013/0011 . . . [spray]
2013/00114 . . . [with check valve, e.g. for traumatic pneumothorax]
2013/00119 . . . [elastic]
2013/00123 . . . [with elastic indicator]
2013/00127 . . . [fixation means]
2013/00131 . . . [elasticity distribution]
2013/00136 . . . [anisotropy]
2013/0014 . . . [non-linearity]
2013/00144 . . . [transversal distribution]
2013/00148 . . . [longitudinal distribution]
2013/00153 . . . [coloured or with decoration pattern or printing]
2013/00157 . . . [for burns or skin transplants (A61F 2013/00187 takes precedence: not adhering to the wound A61F 2013/00217)]
2013/00161 . . . [with wax, e.g. petroleum or bees-; treated with lubricants A61F 2013/00331]
2013/00165 . . . [not touching the wound]
2013/0017 . . . [possibility of applying fluid]
2013/00174 . . . [possibility of applying pressure]
2013/00178 . . . [hand-held CO2 cylinder, e.g. sparklet]
2013/00182 . . . [with transparent part]
2013/00187 . . . [insulating; warmth or cold applying]
2013/00191 . . . [cooled by evaporation]
2013/00195 . . . [electric warmer]
2013/002 . . . [with temperature control]
2013/00204 . . . [insulating]
2013/00208 . . . [by a high viscosity, low conductivity liquid]
2013/00212 . . . [infrared absorbing or reflecting]
2013/00217 . . . [not adhering to the wound (with wax A61F 2013/00161)]
2013/00221 . . . [biodegradable, non-irritating]
2013/00225 . . . [with non-degradable reinforcing layer, net or mesh (absorbent core with a reinforcing structure, e.g. net A61F 2013/53463)]
2013/00229 . . . [with alginate]
2013/00234 . . . [metallic layer]
2013/00238 . . . [characterised by way of knitting or weaving]
2013/00242 . . . [to avoiding fraying or pilling (lint-free, i.e. non-linting or frying A61F 2013/00348)]
2013/00246 . . . [in a special way pervious to air or vapours]
2013/00251 . . . [with macroscopic openings]
2013/00255 . . . [with pores]
2013/00259 . . . [thin film]
2013/00263 . . . [vapour permeability >500 g/m2/24h]
2013/00268 . . . [impervious, i.e. occlusive bandage]
2013/00272 . . . [protection of the body or articulation (safety barrier for protection of the operator A61F 2013/00297; protecting the body against ulcers A61F 2013/15024; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/15065)]
2013/00276 . . . [for itching skin]
2013/0028 . . . [applying of mechanical pressure; passive massage]
2013/00285 . . . [medication confinement]
2013/00289 . . . [easy removing of the protection sheet]
2013/00293 . . . [anallergic or hypoallergic material]
2013/00297 . . . [safety barrier for protection of the operator (protection of the body or articulation A61F 2013/00272; protecting the body against ulcers A61F 2013/15024; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/15065; prophylaxis A61F 2013/15081)]
2013/00302 . . . [devices for handling dressings]
2013/00306 . . . [dressing for protection of the operator during surgical procedure]
2013/0031 . . . [for handling common life objects, e.g. telephone (prophylaxis A61F 2013/15081)]
2013/00314 . . . [with surface treatments]
2013/00319 . . . [to make surface hydrophobic]
2013/00323 . . . [to make surface hydrophilic]
2013/00327 . . . [to create projections or depressions in surface]
2013/00331 . . . [lubricants (with wax, e.g. petroleum or bees- A61F 2013/00161; not adhering to the wound A61F 2013/00217; lubricant top layers A61F 2013/51073)]
2013/00336 . . . [polymeric resins]
2013/0034 . . . [with triboelectric materials]
2013/00344 . . . [for increasing oxygen partial pressure]
2013/00348 . . . [lint-free, i.e. non-linting or frying (A61F 2013/00242 takes precedence)]
2013/00353 . . . [for red nails, in-grown nails or felon(s) (inflamed digits)]
2013/00357 . . . [implanted wound fillings or covers (membranes for covering bone defects A61F 2/2846)]
2013/00361 . . . [Plasters]
2013/00365 . . . [use]
2013/0037 . . . [for cosmesis]
2013/00374 . . . [against wrinkles, e.g. face lift]
2013/00378 . . . [coloured as the skin (coloured black or yellow, or with pattern or printing A61F 2013/00153)]
2013/00382 . . . [reconstructing the body shape (prosthetic device A61F 2013/00574)]
2013/00387 . . . [skin protection (protection of the body or articulation A61F 2013/00272; safety barrier for protection of the operator A61F 2013/00297; for protection of suture stitches A61F 2013/00455; protection of wound surround A61F 2013/00825)]
2013/00391 . . . [from irradiation, e.g. sun]
2013/00395 . . . [from skin abrasion]
2013/0004 . . . [from liquid water]
2013/00404 . . . [against blisters or bed sores]
2013/00408 . . . [shield for protection against hypodermic needles]
2013/00412 . . . [for use with needles, tubes or catheters]
2013/00417 . . . [pierced by needle]
2013/00421 . . . [with double adhesive layer (with cyano-acrylic adhesive A61F 2013/00459; with adhesive connecting means A61F 2013/00356; adhesives for plasters A61F 2013/00653; with absorbent adhesives A61F 2013/00752; with permeable adhesive layers A61F 2013/00761; different adhesion of different adhesive layers A61F 2013/00804; changing the adhesion force with strain value A61F 2013/00838)]
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2013/00425 . . .  [for removing of external skin layer, e.g. prepping]
2013/00429 . . .  [for conducting tests]
2013/00434 . . .  [Epicutaneous test]
2013/00438 . . .  [blood tests]
2013/00442 . . .  [using electrodes]
2013/00446 . . .  [for oriental medicine]
2013/00451 . . .  [for surgical sutures, e.g. butterfly type]
2013/00455 . . .  [for protection of suture stitches (protection of the body or articulation A61F 2013/00272; safety barrier for protection of the operator A61F 2013/00297; skin protection A61F 2013/00387; protection of wound surround A61F 2013/00825)]
2013/00459 . . .  [with cyano-acrylic adhesive (adhesives for mucosae A61F 2013/00714 or for use on wounds A61F 2013/00719)]
2013/00463 . . .  [haemostatic]
2013/00468 . . .  [applying local pressure]
2013/00472 . . .  [with chemical means]
2013/00476 . . .  [for nose]
2013/0048 . . .  [for toes (for red nails, in-grown nails or felons A61F 2013/00353)]
2013/00485 . . .  [treating of athlete’s foot]
2013/00489 . . .  [for bracing or strapping]
2013/00493 . . .  [torso]
2013/00497 . . .  [eye patch]
2013/00502 . . .  [for eyelids]
2013/00506 . . .  [for treating warts]
2013/0051 . . .  [for treating insect bite]
2013/00514 . . .  [ticks]
2013/00519 . . .  [for treating burn (bandages for burns or skin transplants A61F 2013/00157)]
2013/00523 . . .  [with hydrogel (wound bandages with alginate A61F 2013/00229; adhesive for plasters; with hydrogel A61F 2013/00676; water-based A61F 2013/00689; for use on mucosae A61F 2013/00714; for use on wounds A61F 2013/00719; wound humidity control with hydrocolloids or superabsorbers A61F 2013/00748; with absorbent adhesives A61F 2013/00757; with fumed silica A61F 2013/00787; with viscoelastic oil-elastomer gel A61F 2013/00893)]
2013/00527 . . .  [artificial skin]
2013/00531 . . .  [for exfoliation (enzymes therefor A61F 2013/00927)]
2013/00536 . . .  [for draining or irrigating wounds]
2013/0054 . . .  [for deep wounds]
2013/00544 . . .  [form or structure]
2013/00548 . . .  [net (wound bandages with net structure A61F 2013/00979)]
2013/00553 . . .  [with detachable parts]
2013/00557 . . .  [detachable absorbent pad]
2013/00561 . . .  [with adhesive connecting means (plasters with a double adhesive layer A61F 2013/00421; with cyano-acrylic adhesive A61F 2013/00459; adhesives for plasters A61F 2013/00655; with absorbent adhesives A61F 2013/00757; with permeable adhesive layers A61F 2013/00761; different adhesion of different adhesive layers A61F 2013/00804; changing the adhesion force with strain value A61F 2013/00838)]
2013/00565 . . .  [with hook and loop-type fastener connecting means]
2013/0057 . . .  [with openable cover]
2013/00574 . . .  [shaped as a body part (A61F 2013/00187 take precedence; use of plasters A61F 2013/00365; containing means for different purposes A61F 2013/00920)]
2013/00578 . . .  [conformable; soft or flexible, e.g. elastomeric]
2013/00582 . . .  [Properties of backing]
2013/00587 . . .  [Thickness]
2013/00591 . . .  [breaking stress or force]
2013/00595 . . .  [breaking strain or extension]
2013/0060 . . .  [Elastic modulus]
2013/00604 . . .  [Multilayer]
2013/00608 . . .  [with reinforcing layers]
2013/00612 . . .  [with different thickness]
2013/00617 . . .  [with different hardness]
2013/00621 . . .  [cast]
2013/00625 . . .  [in situ]
2013/00629 . . .  [on a model]
2013/00634 . . .  [foam]
2013/00638 . . .  [Gel]
2013/00642 . . .  [soluble, e.g. in water]
2013/00646 . . .  [Medication patches, e.g. transcutaneous]
2013/00651 . . .  . [tapered, bevelled or chamfered]
2013/00655 . . .  [adhesive (wound bandages with alginate A61F 2013/00229; plasters with a double adhesive layer A61F 2013/00421; with cyano-acrylic adhesive A61F 2013/00459; plasters for treating burn with hydrogel A61F 2013/00523; with adhesive connecting means A61F 2013/00561; adhesive for plasters, with hydrogel A61F 2013/00676; for use on mucosae A61F 2013/00714; for use on wounds A61F 2013/00719; wound humidity control with hydrocolloids or superabsorbers A61F 2013/00748; with absorbent adhesives A61F 2013/00757; with fumed silica A61F 2013/00787; with viscoelastic oil-elastomer gel A61F 2013/00893; different adhesion of different adhesive layers A61F 2013/00804; changing the adhesion force with strain value A61F 2013/00838)]
2013/00659 . . .  [polymorphic base]
2013/00663 . . .  [acrylic]
2013/00668 . . .  [Ether]
2013/00672 . . .  [cyano-acrylic]
2013/00676 . . .  [hydrogel]
2013/0068 . . .  [cross-linked by radiations, e.g. electron beam]
2013/00685 . . .  [soluble in liquid, e.g. of particular pH]
2013/00689 . . .  [water-based]
2013/00693 . . .  [oil-based]
2013/00697 . . .  [elastomer-, e.g. rubber- based]
2013/00702 . . .  [silicon-based]
2013/00706 . . .  [basis weight]
2013/0071 . . .  [containing active agent]
2013/00714 . . .  [adhesives for mucosae]
2013/00719 . . .  [adhesives for use on wounds]
2013/00723 . . .  [non-adhesive skin fixation]
2013/00727 . . .  [means for wound humidity control]
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2013/00731 . . . . [with absorbing pads]
2013/00736 . . . . [containing zeolites]
2013/0074 . . . . [containing foams]
2013/00744 . . . . [containing non-woven]
2013/00748 . . . . [with hydrocolloids or superabsorbers (wound bandages with alginate A61F 2013/00229; plasters with cyano-acrylic adhesive A61F 2013/00459; plasters for treating burn with hydrogel A61F 2013/00523; adhesive for plasters, with hydrogel A61F 2013/00676; water-based A61F 2013/00689; for use on mucosa A61F 2013/00714; for use on wounds A61F 2013/00719; with absorbent adhesives A61F 2013/00757; with fumed silica A61F 2013/00787; with viscoelastic oil-elastomer gel A61F 2013/00893)]

2013/00753 . . . . [superabsorbent fabric of cloth]
2013/00757 . . . . [with absorbent adhesives]
2013/00761 . . . . [with permeable adhesive layers]
2013/00765 . . . . [continuous layer]
2013/0077 . . . . [arranged in lines]
2013/00774 . . . . [arranged in discrete dots]
2013/00778 . . . . [porous layers]
2013/00782 . . . . [with macroscopic openings]
2013/00787 . . . . [fumed silica]
2013/00791 . . . . [device for evaporation of essudates]
2013/00795 . . . . [special helping devices]
2013/008 . . . . [easy removing of the protection sheet]
2013/00804 . . . . [different adhesion of different adhesive layers (plasters with a double adhesive layer A61F 2013/00421; with cyano-acrylic adhesive A61F 2013/00459; with adhesive connecting means A61F 2013/00561; adhesives for plasters A61F 2013/00655; with absorbent adhesives A61F 2013/00757; with permeable adhesive layers A61F 2013/00761; changing the adhesion force with strain value A61F 2013/00838)]

2013/00808 . . . . [force step in removing the protection layer]
2013/00812 . . . . [perforate or breakable zones]
2013/00817 . . . . [handles or handling tabs]
2013/00821 . . . . [with hinge means]
2013/00825 . . . . [protection of wound surround (protecting the body against ulcers A61F 2013/15024; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/15065; prophylaxis A61F 2013/15081; protection of the body or articulation A61F 2013/00272; safety barrier for protection of the operator A61F 2013/00297; skin protection A61F 2013/00387; for protection of suture stitches A61F 2013/00455)]

2013/00829 . . . . [rigid or semi-rigid backing]
2013/00834 . . . . [as a frame]
2013/00838 . . . . [changing the adhesion force with strain value (plasters with a double adhesive layer A61F 2013/00421; with cyano-acrylic adhesive A61F 2013/00459; with adhesive connecting means A61F 2013/00561; adhesives for plasters A61F 2013/00655; with absorbent adhesives A61F 2013/00757; with permeable adhesive layers A61F 2013/00761; different adhesion of different adhesive layers A61F 2013/00804)]

2013/00842 . . . . [for tearing off dressing of desired size]
2013/00846 . . . . [with transparent or translucent part]
2013/00851 . . . . [with grid or reference marks]
2013/00855 . . . . [pervious to air or vapours (wound bandages in a special way pervious to air or vapour A61F 2013/00246)]

2013/00859 . . . . [with macroscopic openings]
2013/00863 . . . . [with pores]
2013/00868 . . . . [thin film]
2013/00872 . . . . [with controlled oxygen permeability]
2013/00876 . . . . [vapour permeability >500 g/mg/24h]
2013/0088 . . . . [adjustable to a predetermined value]
2013/00885 . . . . [impervious, i.e. occlusive bandage]
2013/00889 . . . . [waterproof]
2013/00893 . . . . [viscoelastic oil-elastomer gel (adhesives based on oil A61F 2013/00693; on rubber A61F 2013/00676)]

2013/00897 . . . . [package for individual plaster]
2013/00902 . . . . [containing means]
2013/00906 . . . . [for transcutaneous or transdermal drugs application]
2013/0091 . . . . [with disinfecting or anaesthetics means, e.g. anti-mycrobic]
2013/00914 . . . . [with deodorising or perfuming means]
2013/00919 . . . . [for physical therapy, e.g. cold or magnetic]
2013/00923 . . . . [triboelectricity (wound bandages with triboelectric materials A61F 2013/0034)]
2013/00927 . . . . [with biological activity, e.g. enzymes for debriding wounds or others, collagen or growth factors]
2013/00931 . . . . [chitin]
2013/00936 . . . . [metal (wound bandages with a metallic layer A61F 2013/00234)]
2013/0094 . . . . [for sensing physical parameters (plasters for conducting test A61F 2013/00429)]
2013/00944 . . . . [humidity; moisture]
2013/00948 . . . . [Ph, e.g. acid]
2013/00953 . . . . [temperature]
2013/00957 . . . . [pressure]
2013/00961 . . . . [electrical conductivity]
2013/00965 . . . . [microbiological activity]
2013/0097 . . . . [oxygen content]
2013/00974 . . . . [for writing or drawing, e.g. labels]
2013/00978 . . . . [attachments assembly for prosthesis; pouch, e.g. ostomy]
2013/00982 . . . . [nonallergic or hypoallergenic material]
13/00987 . . . . [Apparatus or processes for manufacturing non-adhesive dressings or bandages]
13/00991 . . . . [for treating webs, e.g. for moisturising, coating, impregnating or applying powder]
13/00995 . . . . [for mechanical treatments]
13/01 . . . . Non-adhesive bandages or dressings
13/01008 . . . . [characterised by the material]
13/01012 . . . . [being made of natural material, e.g. cellulose-, protein-, collagen-based]
13/01017 . . . . [synthetic, e.g. polymer based]
13/01021 . . . . [characterised by the structure of the dressing]
13/01025 . . . . [made of a single layer]
13/01029 . . . . [made of multiple layers]
13/01034 . . . . [characterised by a property]
13/01038 . . . . [Flexibility, stretchability or elasticity]
13/01042 . . . . [Absorbency]
Bandages, dressings or absorbent pads; First-aid kits

A61F

13/0146 . . . . . . [Air-vapor permeability]
13/02 . . . . . . Adhesive bandages or dressings
13/0203 . . . . . . with fluid retention members
13/0206 . . . . . . with absorbent fibrous layers, e.g. woven or non-woven absorbent pads or island dressings
13/0209 . . . . . . [comprising superabsorbent material]
13/0213 . . . . . . [the fluid retention member being a layer of hydrocolloid, gel forming material]
13/022 . . . . . . [having more than one layer with different fluid retention characteristics]
13/0223 . . . . . . [characterized by parametric properties of the fluid retention layer, e.g. absorbency, wicking capacity, liquid distribution]
13/0226 . . . . . . [characterised by the support layer]
13/023 . . . . . . (wound covering film layers without a fluid retention layer)
13/0233 . . . . . . [characterised by the occlusive layer skin contacting layer]
13/0236 . . . . . . [characterised by the application/handling support layer]
13/024 . . . . . . [the application or handling support layer being removable]
13/0243 . . . . . . [characterised by the properties of the skin contacting layer, e.g. air-vapor permeability]
13/0246 . . . . . . [characterised by the skin-adhering layer]
13/025 . . . . . . [having a special distribution arrangement of the adhesive]
13/0253 . . . . . . [characterized by the adhesive material]
13/0256 . . . . . . [characterized by the parametric properties of the adhesive]
13/0259 . . . . . . [characterised by the release liner covering the skin adhering layer]
13/0263 . . . . . . [especially adapted for island dressings]
13/0266 . . . . . . [especially adapted for wound covering/occlusive dressings]
13/0269 . . . . . . [Tapes for dressing attachment (for stoma bags A61F 5/44; for nappies or sanitary towels A61F 13/358; wound closure tapes A61B 17/085; for surgical drapes A61B 46/00; attaching catheters A61M 25/02)]
13/0273 . . . . . . [Adhesive bandages for winding around limb, trunk or head, e.g. cohesive]
13/0276 . . . . . . [Apparatus or processes for manufacturing adhesive dressings or bandages]
13/0279 . . . . . . [by attaching individual patches on moving webs]
13/0283 . . . . . . [for making adhesive or cohesive tape or fabrics therefor, e.g. coating or mechanical treatments]
13/0286 . . . . . . [manufacturing of non adhesive dressings]
13/0289 . . . . . . [manufacturing of adhesive dressings]
13/0293 . . . . . . [manufacturing of plaster of Paris]
2013/0296 ] . . . . . . [for making transdermal patches (chemical processes excluded)]
13/04 . . . . . . Plaster of Paris bandages; Other stiffening bandages (A61F 13/06 - A61F 13/13 take precedence)
13/041 . . . . . . [Accessories for stiffening bandages, e.g. cast liners, heel-pieces]
13/043 . . . . . . [Shoe-like cast covers; Cast socks (A61F 15/004 takes precedence; shoe-like orthopaedic devices for protecting the feet against injuries after operations A61F 5/0195; walking soles A61F 13/045)]
13/045 . . . . . . [Walking soles or heels]
Bandages, dressings or absorbent pads; First-aid kits

A61F

2013/15024 . . . [for protecting the body against ulcers]
2013/15032 . . . [as umbilical bandage]
2013/1504 . . . . [for avoiding contact with umbilical region]
2013/15048 . . . [for protection against contamination, or protection in using body disinfecing wipes]
2013/15056 . . . [for the protection for furniture, e.g. car seats, chairs, beds]
2013/15065 . . . [for protecting in contaminated ambience, e.g. NBC or industrial chemicals]
2013/15073 . . . [as drapes]
2013/15081 . . . [as prophylaxis]
2013/15089 . . . [as facial prophylaxis]
2013/15097 . . . [as genital prophylaxis]
2013/15105 . . . [as contraceptive, e.g. condom]
2013/15113 . . . [for haemorrhoids]
2013/15121 . . . [for mild incontinence]
2013/1513 . . . . . [for anal discharge]
2013/15138 . . . [for flatus, i.e. gas]
2013/15146 . . . [for urine collection]
2013/15154 . . . [for hospitalised patients]
2013/15162 . . . [for jaundice phototherapy, i.e. UV light-permeable or transparent materials]
2013/1517 . . . . . [for puerperae, i.e. after childbirth]
2013/15178 . . . [for prevention and therapy of hip dysplasia or subluxation]
2013/15186 . . . [for animals]
2013/15195 . . . [as swimwear]
13/15203 . . . . . [Properties of the article, e.g. stiffness or absorbency (chemical aspects A61L 15/00)]
13/15211 . . . . . . . [soluble or disintegratable in liquid]
2013/15219 . . . [by mechanical separation of water resistant parts]
2013/15227 . . . [by its solubility in particular Ph solution]
2013/15235 . . . [by its solubility in water]
2013/15243 . . . [printed or coloured, e.g. to match skin]
13/15252 . . . . . . . [compostable or biodegradable]
2013/1526 . . . . . [reusable (with separable parts A61F 13/505)]
2013/15268 . . . [washable]
2013/15276 . . . [characterized by quantifiable properties]
2013/15292 . . . . . . . . [Resistance, i.e. modulus or strength]
2013/153 . . . . . . . . [in dry conditions]
2013/15308 . . . . . . . . [in wet conditions, i.e. wet strength]
2013/15317 . . . . . . . . [Wet compressibility, i.e. void volume/gr]
2013/15325 . . . . . . . . [Stress relaxation or compression recovery]
2013/15333 . . . . . . . . [to hot, e.g. 90 decC washing procedures]
2013/15341 . . . . . . . . [to fire or flame]
2013/15349 . . . . . . . . [with controlled smoke emission]
2013/15357 . . . [Stiffness, e.g. Taber rigidity]
2013/15365 . . . [Dimensions]
2013/15373 . . . [Caliper, i.e. thickness]
2013/15382 . . . . . . . . [Reduced thickness]
2013/1539 . . . . . . . . . [being expandable]
2013/15398 . . . . . . . . . [for giving the illusion of a thick absorbent pad]
2013/15406 . . . . . . . . [Basis weight]
2013/15414 . . . . . . . . [Bulk thickness]
2013/15422 . . . . . . . . [Density]
2013/1543 . . . . . . . . . [with a density gradient in the horizontal plane]
2013/15439 . . . . . . . . [with a density gradient in the vertical plane]
2013/15447 . . . . . . . . [Fibre dimension, e.g. denier or tex]
2013/15455 . . . [Volume-to-fibre surface area ratio]
2013/15463 . . . [Absorbency]
2013/15471 . . . [Total capacity]
2013/15479 . . . [Drip capacity]
2013/15487 . . . [Capillary properties, e.g. wicking]
2013/15495 . . . [pore dimension]
2013/15504 . . . [with a porosity gradient in the vertical or horizontal plane]
2013/15512 . . . [with specific hydrophilicity]
2013/1552 . . . [with specific diffusion velocity]
2013/15528 . . . [with specific capillary or osmotic pressure]
2013/15536 . . . . [with a capillarity gradient in the vertical or horizontal plane]
2013/15544 . . . . [Permeability]
2013/15552 . . . . . . . . [Air permeability]
2013/15556 . . . . . . . . . [Water permeability]
2013/15569 . . . . . . . . . . . . . . [Adhesivity]
13/15577 . . . . . . . . [Apparatus or processes for manufacturing]
13/15585 . . . . . . . . [of babies’ napkins, e.g. diapers (A61F 13/15617 - A61F 13/15804 take precedence)]
13/15593 . . . . [having elastic ribbons fixed thereto; Devices for applying the ribbons]
13/15601 . . . . . . . . [the ribbons being applied transversely to the direction of the movement of the webs the diapers are being made of]
13/15609 . . . . . . . . [the ribbons being applied in an irregular path]
13/15617 . . . [Making absorbent pads from fibres or pulverent material with or without treatment of the fibres]
13/15626 . . . [Making fibrous pads without outer layers]
13/15634 . . . [Making fibrous pads between sheets or webs]
13/15642 . . . [by depositing continuous layers or pads of fibrous material on single sheets or webs]
13/1565 . . . [by depositing continuous layers of fibrous material between webs, e.g. wrapping layers of fibrous material]
13/15658 . . . [Forming continuous, e.g. composite, fibrous webs, e.g. involving the application of pulverent material on parts thereof]
13/15666 . . . [Wrapping formed fibrous webs or pads, e.g. the pads being formed by uniting pad pieces cut from fibrous webs]
13/15674 . . . [by wrapping webs or pads between webs moving in their longitudinal direction]
13/15682 . . . [by folding webs, moving in their longitudinal direction, around webs or pads]
13/15691 . . . [by inserting webs or pads in a tube or a netting, e.g. involving forming of the tube or netting]
13/15699 . . . [Forming webs by bringing together several webs, e.g. by laminating or folding several webs, with or without additional treatment of the webs]
13/15707 . . . [Mechanical treatment, e.g. notching, twisting, compressing, shaping]
2013/15715 . . . [Shaping or making outer layers]
13/15723 . . . [Partitioning batts; Cutting]
Bandages, dressings or absorbent pads; First-aid kits

13/15731 . . . . [Treating webs, e.g. for giving them a fibrelike appearance, e.g. by embossing]
13/15739 . . . . [Sealing, e.g. involving cutting]
13/15747 . . . . [Folding; Pleating; Coiling; Stacking; Packaging]
13/15756 . . . . [Applying tabs, strips, tapes, loops; Knotting the ends of pads]
13/15764 . . . . [Transferring, feeding or handling devices; Drives]
13/15772 . . . . [Control]

2013/1578 . . . . [via optical means associated to computer coordinator]
2013/15788 . . . . [of the presence of the article or components]
2013/15796 . . . . [of the alignment or position of article or components]
13/15804 . . . . [Plant, e.g. involving several steps]
13/15813 . . . . [with modular lines]
13/15821 . . . . [characterized by the apparatus for manufacturing]
13/15829 . . . . [using pressure liquid jet]
13/15837 . . . . [using solvent]
13/15845 . . . . [using a specific cam for programming the apparatus]
13/15853 . . . . [using a specific computer algorithm for programming the apparatus]
13/15861 . . . . [for bonding]
13/15869 . . . . [with ultrasonic energy]
13/15878 . . . . [by thermal bonding]
13/15886 . . . . [by spot bonding]
13/15894 . . . . [by infrared radiation]
13/15902 . . . . [with specific parameters, e.g. temperature, pressure]
13/1591 . . . . [via adhesive]
13/15918 . . . . [for die cutting]
13/15926 . . . . [for vacuum forming]
13/15934 . . . . [for making non-woven]
13/15943 . . . . [by air-laid technique]
13/15951 . . . . [by wet-laid technique]
13/15959 . . . . [by spunbond technique]
13/15967 . . . . [by meltblown technique]
13/15975 . . . . [by non-bonded and deformable technique]
13/15983 . . . . [by hydroentangled technique]
13/15991 . . . . [in making composite multi-layered product]
13/16 . . . . [Sanitary towels; Means for supporting or fastening them]
13/20 . . . . Tampons, e.g. catamenial tampons; Accessories thereto
13/2002 . . . . [characterised by the use]
13/2005 . . . . [specially adapted for the nose cavity]
13/2008 . . . . [specially adapted for the oral cavity]
13/2011 . . . . [specially adapted for anal cavity]
13/2014 . . . . [for endoscopic procedures]
13/2017 . . . . [specially adapted for the ear cavity]
13/202 . . . . [Catamenial tampons (A61F 13/202; A61F 13/34 take precedence)]
13/2022 . . . . [characterised by the shape]
13/2025 . . . . [adapted to change of shape once expelled of the applicator]
13/2028 . . . . [adapted to change of shape after absorption of liquid]
13/2031 . . . . [having depressions or elevations, e.g. dots, lines]
13/2034 . . . . [having grooves or ribs, having a main axis in the longitudinal direction]
13/2037 . . . . [having grooves or ribs, having a main axis in the radial direction]
13/204 . . . . [having an external member remaining outside the body cavity, e.g. for form fitting or leakage prevention (withdrawal strings see A61F 13/34)]
13/2042 . . . . [having a central tubular opening]
13/2045 . . . . [Cup-shaped type tampons (non-absorbent catamenial cups A61F 5/4553)]
13/2048 . . . . [Ball-shaped tampons]
13/2051 . . . . [characterised by the material or the structure of the inner absorbing core]
13/2054 . . . . [made by compressing a not-rolled web or pledged]
13/2057 . . . . [made of foam]
13/206 . . . . [Tampons made of rolled-up material]
13/2062 . . . . [Tampons made from folded lengths of material, e.g. of string]
13/2065 . . . . [Tampons folded from sheets of material (A61F 13/206 takes precedence)]
13/2068 . . . . [Tampons made from several layers (A61F 13/2065; A61F 13/206 take precedence)]
13/2071 . . . . [characterised by the material or the structure of the outer layer]
13/2074 . . . . [impregnated with hydrophobic, hydrophilic, skin enhancers, medicinal etc. substances]
13/2077 . . . . [having a visual effect, e.g. printed or embossed]
13/208 . . . . [having means for avoiding leakage, e.g. liquid impermeable withdrawal end (A61F 13/204 takes precedence)]
13/2082 . . . . [Apparatus or processes of manufacturing]
13/2085 . . . . [Catamenial tampons]
13/2088 . . . . [shaping the tampon by compressing]
13/2091 . . . . [providing grooves on the tampon]
13/2094 . . . . [rolling a web material to form a tampon]
13/2097 . . . . [method of manufacturing tampon applicators]
13/26 . . . . [Means for inserting tampons, i.e. applicators]
13/263 . . . . [with reduced length before use, e.g. with folding rod]
13/266 . . . . [Insertion devices, e.g. rods or plungers, separate from the tampon]
13/28 . . . . [with lubricating means]
13/34 . . . . [Means for withdrawing tampons, e.g. withdrawal strings]
13/36 . . . . [Surgical swabs, e.g. for absorbency or packing body cavities during surgery (A61F 13/38 takes precedence)]
13/38 . . . . [Swabs having a stick-type handle, e.g. cotton tips (ear cleaners other than cotton tips A61F 11/006; swabs containing a liquid, e.g. in a rupturable reservoir, A61M 35/006)]
13/385 . . . . [Apparatus or processes of manufacturing]
13/42 . . . . [with wetness indicator or alarm]
2013/421 . . . . [the alarm being a temperature change]
2013/422 . . . . [the alarm being a colour change]
Bandages, dressings or absorbent pads; First-aid kits

13/47... [characterised by the elastic material]
13/49001... [having preferential bending zones, e.g. fold lines or grooves]
13/49003... [Reusable, washable fabric diapers]
13/49004... [with fastening means]
13/49006... [the reusable article being in the form of pants or briefs, e.g. slip or panty for light incontinence]
13/49007... [Form-fitting, self-adjusting disposable diapers]
13/49009... [with elastic means]
13/49011... [the elastic means is located at the waist region]
13/49012... [the elastic means being elastic panels]
13/49014... [the elastic means is located at the side panels]
13/49015... [the elastic means being elastic panels]
13/49017... [the elastic means being located at the crotch region]
13/49019... [the elastic means being placed longitudinally, transversely or diagonally over the article]
13/4902... [characterised by the elastic material]
13/49002... [being elastomeric sheet]
13/49022... [being textured, e.g. corrugated]
13/49023... [having multiple elastic strands]
13/49025... [with variable spacing]
13/49026... [with different tensile stress]
13/49028... [being a net]
13/4903... [be elastic in longitudinal direction]
13/49031... [being elastic in transversal direction]
13/49033... [being elastic in both the transversal and longitudinal direction]
13/49034... [having a inelastic zone by deactivating the elastic property]
13/49036... [the elastic means is located all around the absorbent article's perimeter]
13/49038... [the elastic means is located around the target zone]
13/49039... [the elastic means is located around the target zone]
Bandages, dressings or absorbent pads; First-aid kits

A61F

2013/49041 . . . . . . {having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019}

2013/49042 . . . . . . {with only stretchable part, i.e. part being not elastic but only extensible with not a full recovery of its original length}

2013/49044 . . . . . . {being stretchable non-elastic panels, (A61F 13/4902 takes precedence)}

2013/49046 . . . . . . [at the crotch]

2013/49047 . . . . . . [at the ears]

2013/49049 . . . . . . [on the hips]

2013/4905 . . . . . . [at the waist]

2013/49052 . . . . . . {having a specific direction of stretchability}

2013/49053 . . . . . . {being stretchable in the longitudinal direction or machine direction, i.e. longitudinal}

2013/49055 . . . . . . {being stretchable in transversal direction or cross machine direction}

2013/49057 . . . . . . {being stretchable in both longitudinal and transversal direction}

13/49058 . . . . . . [characterised by the modular concept of constructing the diaper]

13/4906 . . . . . . {the diaper having an outer chassis forming the diaper and an independent absorbent structure attached to the chassis}

13/49061 . . . . . . {the diaper having one or two waist members forming the diaper waist region and an independent absorbent structure attached to the one or two waist members forming the crotch region}

2013/49063 . . . . . . {the diaper having decoupled components}

2013/49065 . . . . . . {being joined by a transverse line}

2013/49066 . . . . . . {being joined by an area of low stiffness}

2013/49068 . . . . . . [characterized by the shape of the outline]

2013/49069 . . . . . . {being rectangular, i.e. parallelepiped}

2013/49071 . . . . . . {being triangular}

2013/49073 . . . . . . {being trapezoidal}

2013/49074 . . . . . . {hourglass; dog bone-shaped}

2013/49076 . . . . . . {as "T"-shaped}

2013/49077 . . . . . . {as "I"-shaped}

2013/49079 . . . . . . {as backbone-shape}

2013/4908 . . . . . . {concave}

2013/49082 . . . . . . {being a complex shape not covered by the other groups A61F 2013/49068 - A61F 2013/4908}

2013/49084 . . . . . . {conformable}

2013/49085 . . . . . . {with a multiplicity of rounded, i.e. spherical elements}

2013/49087 . . . . . . {having breakable lateral stitches or panels}

2013/49088 . . . . . . {characterized by the leg opening}

2013/4909 . . . . . . {being asymmetric leg openings}

2013/49092 . . . . . . {comprising leg cuffs}

2013/49093 . . . . . . {having multiple barriers}

2013/49095 . . . . . . {Being formed by lateral slеets}

2013/49096 . . . . . . {with braces}

2013/49098 . . . . . . {Other Details not otherwise provided of the absorbent articles specially adapted to be worn around the waist}

13/491 . . . . . . specially adapted for gender distinct urine discharge pattern

13/4915 . . . . . . {specially adapted for male use}

13/493 . . . . . . {adjustable (by adding or removing material, e.g. umbilical cord arrangements (adjustable by the fastening A61F 13/5638, A61F 13/5655)}

13/494 . . . . . . {characterised by edge leakage prevention means}

13/49406 . . . . . . {the edge leakage prevention means being at the crotch region}

13/49413 . . . . . . {the edge leakage prevention means being an upstanding barrier}

13/4942 . . . . . . {the barrier not being integral with the top- or back-sheet}

13/49426 . . . . . . {the barrier having an absorbent medium}

2013/49433 . . . . . . {the barrier having variable heights}

2013/4944 . . . . . . {having multiple barriers}

13/49446 . . . . . . {the edge leakage prevention means being an impermeable sheet or impermeable part of a sheet placed on or under the top sheet (A61F 13/49413 takes precedence)}

13/49453 . . . . . . {the edge leakage prevention sheet being combined with the impermeable backing sheet, e.g. integral with the backing sheet}

13/4946 . . . . . . {the edge leakage prevention means being an absorbent medium (A61F 13/49426 takes precedence)}

13/49466 . . . . . . {the edge leakage prevention means being at the waist region}

13/49473 . . . . . . {the edge leakage prevention means having a continuous closed form, e.g. circle, ellipse, rectangle}

2013/4948 . . . . . . {the edge leakage prevention means being elastic}

2013/49486 . . . . . . {the edge leakage prevention means being padded}

2013/49493 . . . . . . {the edge leakage prevention means being or forming three-dimensional barrier with raised lateral side-or end-wall)

13/495 . . . . . . with faecal cavity

2013/4951 . . . . . . {with internal barriers}

2013/4953 . . . . . . {with rear faecal part separate from front urinary part}

2013/4955 . . . . . . {with separable, disposable upper body layer}

2013/4956 . . . . . . {with vertical spacer or separator keeping other components out of contact}

2013/4958 . . . . . . {with a faecal separator layer}

13/496 . . . . . . in the form of pants or briefs

13/4963 . . . . . . {characterized by the seam}

2013/4966 . . . . . . {with intentionally damp topsheet}

13/505 . . . . . . with separable parts, e.g. combination of disposable and reusable parts. (A61F 13/4903 take precedence; supporting or fastening means A61F 13/56: (belts or the like A61F 13/64))

2013/5055 . . . . . . {Possibility of doubling or putting in new pieces

13/51 . . . . . . characterised by the outer layers { having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019
Bandages, dressings or absorbent pads; First-aid kits

2013/51002 . . . . [with special fibres]
2013/51004 . . . . [characterized by the length of the fibres]
2013/51007 . . . . [characterized by the orientation of fibres]
2013/51009 . . . . [characterized by the shape of the fibres]
2013/51011 . . . . [characterized by the count of the fibres, e.g. denier or tex]
2013/51014 . . . . [characterized by the connection between the fibres]
2013/51016 . . . . [followed by a distension heat treatment]
2013/51019 . . . . [being cellulosic material]
2013/51021 . . . . [being chemically modified]
2013/51023 . . . . [being polymeric fibres]
2013/51026 . . . . [being in thermoplastic material]
2013/51028 . . . . [being bicomponent]
2013/5103 . . . . [being hydrophobic]
2013/51033 . . . . [being hydrophilic]
2013/51035 . . . . [being biodegradable, e.g. Rayon, polylactate, dioxanone]
2013/51038 . . . . [being a mixture of fibres]
2013/5104 . . . . [with pulp and polymeric fibres]
2013/51042 . . . . [with hydrophobic and hydrophilic fibres]
2013/51045 . . . . [with thermoplastic binder]
2013/51047 . . . . [with antibacterial agents]
2013/5105 . . . . [with mineral or inert material]
2013/51052 . . . . [having different diameters]
2013/51054 . . . . [having different densities]
2013/51057 . . . . [having different ratios of fibres]
2013/51059 . . . . [being sprayed with chemicals]
2013/51061 . . . . [for rendering the surface hydrophobic]
2013/51064 . . . . [in the legs area]
2013/51066 . . . . [for rendering the surface hydrophilic]
2013/51069 . . . . [by hydrophilisation with plasma or corona discharge]
2013/51071 . . . . [with anti-static agents]
2013/51073 . . . . [with lubricants]
2013/51076 . . . . [with perfumes or odour-masking agents]
2013/51078 . . . . [being embossed]
2013/5108 . . . . [in grids]
2013/51083 . . . . [in point]
2013/51085 . . . . [in diamonds]
2013/51088 . . . . [in very fine microtexture]
2013/5109 . . . . [with odour control]
2013/51092 . . . . [characterized by the dimensions]
2013/51095 . . . . [being metallic]
2013/51097 . . . . [with high friction coefficient for fixation of the bandage]
13/511 . . . . Topsheet, i.e. the permeable cover or layer facing the skin
13/51104 . . . . [the top sheet having a three-dimensional cross-section, e.g. corrugations, embossments, recesses or projections]
13/51108 . . . . [the top sheet having corrugations or embossments having one axis relatively longer than the other axis, e.g. forming channels or grooves in a longitudinal direction]
13/51113 . . . . [comprising an additive, e.g. lotion or odour control (A61F 13/35108 takes precedence)]
2013/51117 . . . . [the lotion having skin care properties]
13/51121 . . . . [characterised by the material]
2013/51126 . . . . [being nets]
2013/5113 . . . . [being foams]
2013/51134 . . . . [the foam being compressed and expandable, e.g. a cellulosic sponge]
2013/51139 . . . . [being woven or knitted fabrics]
2013/51143 . . . . [being papers]
2013/51147 . . . . [being polymeric films]
2013/51152 . . . . [having specific distance between the fibres]
2013/51156 . . . . [having integrally attached]
13/5116 . . . . [being formed of multiple layers (A61F 13/5123 takes precedence)]
2013/51165 . . . . [with the combination of films and nonwovens]
2013/51169 . . . . [the nonwoven being hydroentangled or needleentangled to the film]
2013/51173 . . . . [with the combination of polymeric films]
2013/51178 . . . . [with the combination of nonwoven webs]
2013/51182 . . . . [with non-continuous bonding]
2013/51186 . . . . [specially shaped topsheets]
2013/51191 . . . . [Self-sealing top layers]
2013/51195 . . . . [not contacting the absorber]
13/512 . . . . characterised by its apertures, e.g. perforations
13/5121 . . . . [characterised by the vertical shape of the apertures, e.g. three dimensional apertures, e.g. macro-apertures]
13/5122 . . . . [and comprising secondary apertures, e.g. macro-apertures in combination with microapertures]
13/5123 . . . . [the apertures being formed on a multilayer top sheet]
13/5125 . . . . [the apertures not being formed through the complete thickness of the topsheet, e.g. blind holes (blind holes in a single layered topsheet A61F 13/51104)]
13/5126 . . . . [characterised by the planar distribution of the apertures, e.g. in a predefined pattern]
2013/5127 . . . . [characterized by the dimension of apertures]
2013/5128 . . . . [characterized by open targets or acquisitions or vulnerability zones]
13/513 . . . . [characterised by its function or properties, e.g. stretchability, breathability, rewet, visual effect:] having areas of different permeability
13/51305 . . . . [having areas of different permeability]
13/51311 . . . . [the permeability gradient being in the vertical direction]
2013/51316 . . . . [with low friction coefficient]
2013/51322 . . . . [being elastomeric or stretchable]
2013/51327 . . . . [in only one specific direction]
2013/51333 . . . . [in only specific parts or sections of the top layer]
2013/51338 . . . . [having improved touch or feeling, e.g. smooth film]
2013/51344 . . . . [with pile webs or velvet-like tissues]
2013/5135 . . . . [with flame retardant agents or fire extinguishing agents]
2013/51355 . . . . [for improving fluid flow]
2013/51361 . . . . [with pleats or folds]
2013/51366 . . . . [with hydrophilic lower face]
2013/51372 . . . . [with valve or valve-like upper layer; Tapered capillary structures]
2013/51377 . . . . [having decoration properties]
Bandages, dressings or absorbent pads; First-aid kits

13/51383 . . . . (being adapted for female properties)
13/51388 . . . . (being adapted to male properties)
13/51394 . . . . (creating a visual effect, e.g. having a printed or coloured tophspectrum, printed or coloured sub-layer but being visible from the tophspectrum, other than embossing for purposes of bonding, wicking, acquisition, leakage-prevention)
13/514 . . . . Backsheet, i.e. the impermeable cover or layer furthest from the skin (\texttt{A61F 13/15211, A61F 13/15252} take precedence)
13/51401 . . . . [characterised by the material]
13/51403 . . . . (with activating means, e.g. for closing apertures upon contact with water)
13/51405 . . . . (treated or coated, e.g. with moisture repellent agent)
2013/51407 . . . . (being flexible)
2013/51409 . . . . (being a film)
2013/51411 . . . . (being impervious to fluids but not for air or vapours)
2013/51413 . . . . (with macroscopic openings)
2013/51415 . . . . (with pores)
2013/51417 . . . . (with thin films)
2013/51419 . . . . (with stretched areas)
2013/51421 . . . . (only in special places)
2013/51423 . . . . (the vapour permeability being less than 500g/m/24h)
2013/51425 . . . . (being impervious, i.e. occlusive)
2013/51427 . . . . (having valves)
2013/51429 . . . . (being elastomeric or stretchable sheet)
2013/51431 . . . . (in the composition of the elastomer)
2013/51433 . . . . (being biodegradable)
2013/51435 . . . . (having flame retardant agent or fire extinguishing agent)
2013/51437 . . . . (being integral with absorbent core)
2013/51439 . . . . (being foams)
2013/51441 . . . . (being a fibrous material)
2013/51443 . . . . (being impervious to fluids and being air permeable)
2013/51445 . . . . (comprising microfibres, e.g. Gore-Tex)
2013/51447 . . . . (being air permeable)
2013/51449 . . . . (being knitted or woven fabrics)
2013/5145 . . . . (being treated materials)
2013/51452 . . . . (being nonwovens)
2013/51454 . . . . (being papers)
13/51456 . . . . (characterised by its properties)
13/51458 . . . . (being air-pervious or breathable)
13/5146 . . . . (having apertures of perforations)
13/51462 . . . . (being defined by a value or parameter)
13/51464 . . . . (being stretchable or elastomeric)
13/51466 . . . . (providing stretchability without the use of elastic material)
2013/51468 . . . . (being removable)
2013/5147 . . . . (the outer layer being adhesive itself)
2013/51472 . . . . (for reducing noise)
13/51474 . . . . (characterised by its structure)
13/51476 . . . . (being three-dimensional, e.g. embossed, textured, pleated, or with three-dimensional features, like gathers or loops)
13/51478 . . . . (being a laminate, e.g. multi-layered or with several layers)

13/5148 . . . . (having an impervious inner layer and a cloth-like outer layer)
2013/51482 . . . . (being laminated on paper)
13/51484 . . . . (being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures)
2013/51486 . . . . (with specially shaped backsheets)
2013/51488 . . . . (for napkins)
2013/5149 . . . . (being embossed)
2013/51492 . . . . (having specially shaped gas or air bubbles or bag-like structure)
2013/51494 . . . . (having underlayer extending around the longitudinal edges of the absorbent core)
13/51496 . . . . (having visual effects)
13/51498 . . . . (Details not otherwise provided for)
13/515 . . . . (characterised by the interconnection of the tophspectrum and the backsheets)
13/52 . . . . (Layers coated or treated to decrease absorbency)
13/53 . . . . (characterised by the absorbing medium (\texttt{A61F 13/20} takes precedence)
2013/530007 . . . . (being made from pulp)
2013/530014 . . . . (being made in hard wood pulp)
2013/530021 . . . . (being made in soft wood pulp)
2013/530029 . . . . (being made from cotton)
2013/530036 . . . . (being made in chemically-modified cellulose material, e.g. Rayon)
2013/530043 . . . . (being made in oxidized cellulose)
2013/530051 . . . . (being made in cross-linked cellulose fibres)
2013/530058 . . . . (with specific method of producing wood pulp fibres)
2013/530065 . . . . (with chemical pulp)
2013/530072 . . . . (with sulphate pulp, e.g. Kraft)
2013/53008 . . . . (being unbleached)
2013/530087 . . . . (with debonding agents)
2013/530094 . . . . (with mechanical pulp)
2013/530102 . . . . (with thermomechanical pulp)
2013/530109 . . . . (with chemithermomechanical pulp)
2013/530116 . . . . (with recycled material, e.g. paper)
2013/530124 . . . . (with compressed and delaminated material)
2013/530131 . . . . (being made in fibre but being not pulp)
2013/530138 . . . . (characterized by the fibre length)
2013/530145 . . . . (being short)
2013/530153 . . . . (being long)
2013/53016 . . . . (having special shape)
2013/530167 . . . . (being crimped)
2013/530175 . . . . (with capillary channel)
2013/530182 . . . . (characterized by the connection between the fibres)
2013/530189 . . . . (with thermoplastic adhesive)
2013/530197 . . . . (with water-soluble binder)
2013/530204 . . . . (being alcohol-based binder)
2013/530211 . . . . (with water-insoluble binder)
2013/530218 . . . . (followed by heat treatment)
2013/530226 . . . . (with polymeric fibres)
2013/530233 . . . . (being thermoplastic fibres)
2013/53024 . . . . (being bicomponent fibres)
2013/530248 . . . . (being thermosetting fibres)
2013/530255 . . . . (being hydrophobic fibres)
Bandages, dressings or absorbent pads; First-aid kits

- 2013/530262: only in particular parts or specially arranged
- 2013/53027: the maximum being at the crotch
- 2013/530277: the maximum being at front or rear
- 2013/530284: the maximum being at a certain depth in the thickness
- 2013/530291: the maximum being along the sides
- 2013/530299: being hydrophilic fibres
- 2013/530306: coated with superabsorbent polymer
- 2013/530313: being biodegradable
- 2013/530321: in biopolymer, e.g. PHA
- 2013/530328: being mineral fibres, e.g. glass
- 2013/530335: being in peat moss
- 2013/530343: being natural fibres
- 2013/53035: (of cotton)
- 2013/530357: (of wool)
- 2013/530364: (of bamboo)
- 2013/530372: (of ramie or jute or linen)
- 2013/530379: comprising mixtures of fibres
- 2013/530386: with pulp and polymeric
- 2013/530394: in conform
- 2013/530401: with hydrophobic and hydrophilic fibres
- 2013/530408: with thermoplastic binder
- 2013/530416: having different count, e.g. denier or tex
- 2013/530423: having different densities
- 2013/53043: with different ratio of components
- 2013/530437: having a part with elevated absorption means
- 2013/530445: by defining a target or acquisition or vulnerability zone
- 2013/530452: having chemically-stiffened fibres
- 2013/530459: being curled
- 2013/530467: being twisted
- 2013/530474: being cross-linked
- 2013/530481: having superabsorbent materials, i.e. highly absorbent polymer gel materials
- 2013/530489: being randomly mixed in with other material
- 2013/530496: being fixed to fibres
- 2013/530503: comprising poly-aluminium-chloride
- 2013/53051: being only in particular parts or specially arranged
- 2013/530518: the maximum being at the crotch
- 2013/530525: the maximum being at front or rear
- 2013/530532: the maximum being at certain depth in the thickness
- 2013/53054: the maximum being along the side edges
- 2013/530547: positioned in a separate layer or layers
- 2013/530554: and being fixed to a web
- 2013/530562: being arranged in discontinuous pattern
- 2013/530569: characterized by the particle size
- 2013/530576: having different size in different parts
- 2013/530583: characterized by the form
- 2013/530591: in granules or particles
- 2013/530598: in aggregates
- 2013/530605: in sheet
- 2013/530613: in fibres
- 2013/53062: being made into a paper or non-woven
- 2013/530627: in flakes
- 2013/530635: in thin film

- 2013/530642: being cross-linked or polymerised in situ
- 2013/530649: in sponge or foam
- 2013/530656: being cut into pieces
- 2013/530664: being a knitted or woven fabric
- 2013/530671: being mixed with mineral or inert material, e.g. "introfying particles"
- 2013/530678: with citric acid
- 2013/530686: with metallic soluble salts, e.g. Na, K, Mg chloride
- 2013/530693: with polymeric material
- 2013/5307: characterized by the quantity or ratio of superabsorbent material
- 2013/530708: characterized by the absorbency properties
- 2013/530715: by the acquisition rate
- 2013/530722: by the delayed absorbency
- 2013/530729: by the swelling rate
- 2013/530737: by the absorbent capacity
- 2013/530744: by the absorbency under load
- 2013/530751: by the centrifugal load
- 2013/530759: by the osmotic feature
- 2013/530766: by the cross-link factor
- 2013/530773: by the inverse temperature transition
- 2013/530781: by the ionic surfactant, e.g. salt resistant
- 2013/530788: characterized by the gel layer permeability
- 2013/530795: being biodegradable
- 2013/530802: characterized by the foam or sponge other than superabsorbent (A61F 2013/530649 takes precedence)
- 2013/53081: with special pore dimension or arrangement
- 2013/530817: being open cells
- 2013/530824: the cells being opened by mechanical or physical treatment
- 2013/530832: being closed cells
- 2013/530839: being hydrophilic
- 2013/530846: being hydrophobic
- 2013/530854: being collapsed or collapsible foam
- 2013/530861: having slit regions
- 2013/530868: characterized by the liquid distribution or transport means other than wicking layer (A61F 13/537 takes precedence)
- 2013/530875: having holes
- 2013/530883: having folds
- 2013/53089: having impervious part
- 2013/530897: having capillary means, e.g. pore or fibre size gradient
- 2013/530905: being hydrophilic
- 2013/530912: being hydrophobic
- 2013/530919: being hydronutral
- 2013/530927: having longitudinal barriers
- 2013/530934: having a density gradient
- 2013/530941: through the thickness
- 2013/530948: along the length
- 2013/530956: being only in particular parts or specially arranged
- 2013/530963: being maximum at the crotch
- 2013/53097: being at front or rear region
- 2013/530978: being at a particular depth in the thickness
- 2013/530985: being along the side edges

A61F 2013/530649 takes precedence
Bandages, dressings or absorbent pads; First-aid kits

[...]

13/531 . . . . . . having a homogeneous composition through the thickness of the pad (A61F 13/538, A61F 13/539 take precedence)

13/532 . . . . . . inhomogeneous in the plane of the pad

13/533 . . . . . . having discontinuous areas of compression

13/534 . . . . . . having an inhomogeneous composition through the thickness of the pad (A61F 13/538, A61F 13/539 take precedence; homogeneous cores with tissue wrapping A61F 13/53)

13/535 . . . . . . inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes ([A61F 13/5323, A61F 13/537 take precedence])

13/536 . . . . . . having discontinuous areas of compression

13/537 . . . . . . characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer ([A61F 13/538 takes precedence])

13/539 . . . . . . characterised by the connection of the absorbent layers with each other or with the outer layers

13/5395 . . . . . . [characterised by thermoplastic agent, i.e. softened by heat]

13/5398 . . . . . . [with separate adhesive layer]

13/5396 . . . . . . [by needling, sewing, blow-needling]

13/53975 . . . . . . [by Hydraulic entanglement]

13/53983 . . . . . . [with hook and loop-type fastener or the like]

13/53991 . . . . . . [by ultrasonic method]

13/53992 . . . . . . [with adhesive]

13/53993 . . . . . . [with epicyclical pattern]

13/53994 . . . . . . [with intermittent pattern, e.g. spots]

13/53995 . . . . . . [with alcohol-based binder]

13/53996 . . . . . . [by needling, sewing, blow-needling]

13/539975 . . . . . . [by Hydraulic entanglement]

13/539983 . . . . . . [with hook and loop-type fastener or the like]

13/539991 . . . . . . [by ultrasonic method]

13/539992 . . . . . . [with adhesive]

13/539993 . . . . . . [with epicyclical pattern]

13/539994 . . . . . . [with intermittent pattern, e.g. spots]

13/539995 . . . . . . [with alcohol-based binder]

13/539996 . . . . . . [by needling, sewing, blow-needling]

13/5399975 . . . . . . [by Hydraulic entanglement]

13/5399983 . . . . . . [with hook and loop-type fastener or the like]

13/5399991 . . . . . . [by ultrasonic method]

13/5399992 . . . . . . [with adhesive]

13/5399993 . . . . . . [with epicyclical pattern]

13/5399994 . . . . . . [with intermittent pattern, e.g. spots]

13/5399995 . . . . . . [with alcohol-based binder]

13/5399996 . . . . . . [by needling, sewing, blow-needling]

13/53999975 . . . . . . [by Hydraulic entanglement]

13/53999983 . . . . . . [with hook and loop-type fastener or the like]

13/53999991 . . . . . . [by ultrasonic method]

13/53999992 . . . . . . [with adhesive]

13/53999993 . . . . . . [with epicyclical pattern]

13/53999994 . . . . . . [with intermittent pattern, e.g. spots]

13/53999995 . . . . . . [with alcohol-based binder]

13/53999996 . . . . . . [by needling, sewing, blow-needling]

13/539999975 . . . . . . [by Hydraulic entanglement]

13/539999983 . . . . . . [with hook and loop-type fastener or the like]

13/539999991 . . . . . . [by ultrasonic method]

13/539999992 . . . . . . [with adhesive]

13/539999993 . . . . . . [with epicyclical pattern]

13/539999994 . . . . . . [with intermittent pattern, e.g. spots]

13/539999995 . . . . . . [with alcohol-based binder]

13/539999996 . . . . . . [by needling, sewing, blow-needling]

13/5399999975 . . . . . . [by Hydraulic entanglement]

13/5399999983 . . . . . . [with hook and loop-type fastener or the like]
Bandages, dressings or absorbent pads; First-aid kits

A61F

13/56 . . . Supporting or fastening means
13/5605 . . . [specially adapted for sanitary napkins or the like]
13/5611 . . . [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5616 . . . [using flaps, e.g. adhesive, for attachment to the undergarment (leakage prevention means encircling the crotch portion A61F 13/476)]
13/5622 . . . [specially adapted for diapers or the like]
2013/5627 . . . [comprising a zip fastener]
13/5633 . . . [open type diaper]
13/5638 . . . [adjustable open type diapers (adjustable otherwise than by the fasteners A61F 13/493)]
13/5644 . . . [having more than one pair of fasteners]
13/565 . . . [pants type diaper]
13/5655 . . . [adjustable pants type diapers (adjustable otherwise than by the fasteners A61F 13/493)]
2013/5661 . . . [in special holders for beds, chairs or seats]
2013/5666 . . . [connected to itself (A61F 13/58 and A61F 13/62 take precedence)]
2013/5672 . . . [with buttons or the like (A61F 13/78 takes precedence)]
2013/5677 . . . [refastenable]
2013/5683 . . . [Disposition or arrangement]
2013/5688 . . . [inclined at an oblique angle to the longitudinal axis]
2013/5694 . . . [Other non adhesives means than hook and loop-type fastener or belts (A61F 13/62, A61F 13/64 and A61F 13/66 take precedence)]
13/58 . . . Adhesive tab fastener elements (A61F 13/5611, A61F 13/5616, A61F 13/66 take precedence)
13/581 . . . [Tab fastener elements combining adhesive and mechanical fastening (fabric strip fastener elements A61F 13/62)]
2013/582 . . . [with one strip on one place]
2013/583 . . . [with strips on several places]
2013/585 . . . [being spot like]
2013/586 . . . [on lateral flaps]
2013/587 . . . [on rear or front tabs]
2013/588 . . . [on waist panels]
13/60 . . . with release means associated with tab fasteners
13/62 . . . [Mechanical fastening means, (A61F 13/5611, A61F 13/5616, A61F 13/581, A61F 13/66 take precedence);] Fabric strip fastener elements, e.g. hook and loop
13/622 . . . [Fabric strip fastener elements, e.g. hook and loop]
13/625 . . . [characterised by the hook]
13/627 . . . [characterised by the loop]
13/64 . . . Straps, belts, ties or endless bands (A61F 13/5605, A61F 13/5622, A61F 13/66 take precedence)
13/66 . . . Garments, holders or supports not integral with absorbent pads
13/665 . . . [Means specific for supporting or fastening sanitary towels; and sanitary towels]
13/68 . . . [abdominal enclosing type]
13/70 . . . [with openable or removable crotch portion]
13/72 . . . [with endless waist encircling band, e.g. panty type]
13/74 . . . [having means to retain absorbent pads]
13/76 . . . [transverse to width of the pads or fastener elements, e.g. straps, end flaps or tucks]
13/78 . . . [Button or snap fastener elements]
13/80 . . . [adjustable relative to body crotch area]
13/82 . . . [with means for attaching to the body]
13/84 . . . [Accessories, not otherwise provided for, for absorbent pads]

2013/8402 . . . [including disposal means (A61F 13/551, A61F 13/5515, A61F 13/5517, A61F 13/5518 take precedence)]
13/8405 . . . [Additives, e.g. for odour, disinfectant or pH control]
2013/8408 . . . [with odour control]
2013/8411 . . . [(in controlling solution Pf)]
2013/8414 . . . [(with anti-microbial)]
2013/8417 . . . [(being anti-mycosis)]
2013/842 . . . [(with active charcoal)]
2013/8423 . . . [(with molecular sieves; zeolites)]
2013/8426 . . . [(with metallic salts)]
2013/8429 . . . [(with ion exchange resins)]
2013/8432 . . . [(with glycerol polyol)]
2013/8435 . . . [(with plant derivatives)]
2013/8438 . . . [(being enzymes, e.g. proteolysis, cellulase)]
2013/8441 . . . [(being cultures)]
2013/8444 . . . [(being microbial, e.g. bulgaricus)]
2013/8447 . . . [(in using different incompatible substances)]
2013/845 . . . [(being powder embodied in a polymeric matrix)]
2013/8452 . . . [(being contained in microcapsules)]
2013/8455 . . . [(being lubricants)]
2013/8458 . . . [(having bees-wax)]
2013/8461 . . . [(having petroleum derivative)]
2013/8464 . . . [(having plant derivative)]
2013/8467 . . . [(being antistatic agents)]
2013/847 . . . [(being infrared absorbing agent)]
2013/8473 . . . [(for diagnostic purposes)]
2013/8476 . . . [(with various devices or method)]
2013/8479 . . . [(including electric or magnetic devices)]
2013/848 . . . [(including numeric control, e.g. using computer)]
2013/8485 . . . [(including optical filtering devices)]
2013/8488 . . . [(including testing apparatus)]
2013/8491 . . . [(including test methods)]
2013/8494 . . . [(including pumping devices)]
2013/8497 . . . [(having decorations or indicia means)]

15/00 Auxiliary appliances for wound dressings; Dispensing containers for dressings or bandages

(Describing of absorbent articles such as diapers, feminine hygiene absorbing pads or tampons A61F 13/551; packaging of wound dressings A61F 13/0072)

15/001 . . . [Packages or dispensers for bandages, cotton balls, drapes, dressings, gauze, gowns, sheets, sponges, swab sticks or towels (A61F 15/007 takes precedence)]
15/002 . . . [dispensers for web or tape like bandages]
15/003 . . . [dispensers for catamenial tampons]
15/004 . . . [Bandage protectors]
15/005 . . . [Bandage applicators]
15/006 . . . [Bandage fasteners]
15/007 . . . [Bandage winders]
Prostheses; Devices providing patency to tubular structures

**2210/00** Particular material properties of prostheses classified in groups A61F 2/00 - A61F 2/26 or A61F 2/82 or A61F 9/00 or A61F 11/00 or subgroups thereof

- bioabsorbable
- using materials or accessories for preventing galvanic or electrolytic corrosion
- using shape memory or superelastic materials, e.g. nitinol
- operated at only one temperature whilst inside or touching the human body, e.g. constrained in a non-operative shape during surgery, another temperature only occurring before the operation
- operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply
- cooled
- electrically, e.g. heated by resistor
- electromagnetically
- using a fluid, e.g. circulating
- heated by light
- ultrasonically
- stretchable
- swellable
- shrinkable
- thermoplastic
- multilayered, e.g. laminated structures
- Phase change materials [PCM], e.g. for storing latent heat
- hardenable in situ, e.g. epoxy resins
- magnetic
- radioactive

**Filters: Devices providing patency to tubular structures:**

**Prostheses; Accessories**

**2220/00** Fixations or connections for prostheses classified in groups A61F 2/00 - A61F 2/26 or A61F 2/82 or A61F 9/00 or A61F 11/00 or subgroups thereof

- Fixation appliances for connecting prostheses to the body
- with sharp anchoring protrusions, e.g. barbs, pins, spikes
- Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements
- made by longitudinally pushing a protrusion into a complementary-shaped recess, e.g. held by friction fit
- using additional screws, bolts, dowels or rivets, e.g. connecting screws
- using adhesives
- soldered or brazed or welded
- stapled
- sutured, ligatured or stitched, retained or tied with a rope, string, thread, wire or cable
- using hook and loop-type fasteners
- connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type

**2230/00** Geometry of prostheses classified in groups A61F 2/00 - A61F 2/26 or A61F 2/82 or A61F 9/00 or A61F 11/00 or subgroups thereof

- Two-dimensional shapes, e.g. cross-sections
- Rounded shapes, e.g. with rounded corners
- circular
- elliptical or oval
- Figure-8-shaped, e.g. hourglass-shaped
- Horseshoe-shaped, e.g. crescent-shaped, C-shaped, U-shaped
- Kidney-shaped, e.g. bean-shaped
- Angular shapes
- rectangular
- square
- triangular
- trapezoidal
- Shapes in the form of latin or greek characters
- Alpha-shaped
- B-shaped
- D-shaped
- E-shaped, e.g. epsilon-shaped
- H-shaped
- J-shaped
- L-shaped
- Omega-shaped
- Pi-shaped
- Rosette-shaped, e.g. star-shaped
- T-shaped
- V-shaped
- W-shaped, e.g. M-shaped, sigma-shaped
- X-shaped
- Y-shaped
- Three-dimensional shapes
- toroidal, e.g. ring-shaped, doughnut-shaped
- conical
- cylindrical
- spherical
- Quadric-shaped
- ellipsoidal or ovoid
- hyperboloidal
- paraboloidal
- parallelipipedal
- cubical
- Pyramidal, tetrahedral, or wedge-shaped
- tetrahedral, i.e. having a triangular basis
- helically-coiled or spirally-coiled, i.e. having a 2-D spiral cross-section
- Umbrella-shaped, e.g. mushroom-shaped
- Saddle-shaped
- Harpoon-shaped

**2240/00** Manufacturing or designing of prostheses classified in groups A61F 2/00 - A61F 2/26 or A61F 2/82 or A61F 9/00 or A61F 11/00 or subgroups thereof

- Designing or manufacturing processes
- Designing or making customized prostheses
- Using a positive or negative model, e.g. moulds
- Templates
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2240/007 . . . Dummy prostheses
2240/008 . . . Means for testing implantable prostheses

2250/00 Special features of prostheses classified in groups A61F 2000 - A61F 22/26 or A61F 2/82 or A61F 9/00 or A61F 11/00 or subgroups thereof

2250/0001 . . . Means for transferring electromagnetic energy to implants
2250/0002 . . . for data transfer
2250/0003 . . . having an inflatable pocket filled with fluid, e.g. liquid or gas
2250/0004 . . . adjustable
2250/0006 . . . for adjusting angular orientation
2250/0007 . . . for adjusting length
2250/0008 . . . for adjusting a position by translation along an axis or two perpendicular axes
2250/0009 . . . for adjusting thickness
2250/0012 . . . for adjusting elasticity, flexibility, spring rate or mechanical tension
2250/0013 . . . for adjusting fluid pressure
2250/0014 . . . having different values of a given property or geometrical feature, e.g. mechanical property or material property, at different locations within the same prosthesis
2250/0015 . . . differing in density or specific weight
2250/0017 . . . differing in yarn density
2250/0018 . . . differing in elasticity, stiffness or compressibility
2250/0019 . . . differing in hardness, e.g. Vickers, Shore, Brinnell
2250/002 . . . differing in moment of inertia
2250/0021 . . . differing in coefficient of friction
2250/0023 . . . differing in porosity
2250/0024 . . . made from both porous and non-porous parts, e.g. adjacent parts
2250/0025 . . . differing in roughness
2250/0026 . . . differing in surface structures
2250/0028 . . . differing in fibre orientations
2250/0029 . . . differing in bending or flexure capacity
2250/003 . . . differing in adsorbability or resorbability, i.e. in adsorption or resorption time
2250/0031 . . . made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts
2250/0032 . . . differing in radiographic density
2250/0034 . . . differing in viscosity
2250/0035 . . . differing in release or diffusion time
2250/0036 . . . differing in thickness
2250/0037 . . . differing in height or in length
2250/0039 . . . differing in diameter
2250/004 . . . differing in coefficient of thermal expansion, e.g. dilation, dilatation
2250/0041 . . . differing in wear resistance
2250/0042 . . . differing in shape-memory transition temperatures, e.g. in martensitic transition temperature, in austenitic transition temperature
2250/0043 . . . differing in electric properties, e.g. in electrical conductivity, in galvanic properties
2250/0045 . . . differing in electromagnetic properties
2250/0046 . . . differing in melting temperature
2250/0047 . . . differing in thermal conductivity
2250/0048 . . . differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability
2250/0049 . . . differing in colour
2250/005 . . . differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts
2250/0051 . . . differing in bone ingrowth capacity
2250/0052 . . . differing in optical properties
2250/0053 . . . differing in corrosion resistance
2250/0054 . . . differing in wettability, e.g. in hydrophilic or hydrophobic behaviours
2250/0055 . . . made from both cured and uncured parts
2250/0056 . . . Additional features; Implant or prostheses properties not otherwise provided for
2250/0057 . . . temporary
2250/0058 . . . modular
2250/0059 . . . Kits of prosthetic parts to be assembled in various combinations for forming different prostheses
2250/006 . . . Nested prosthetic parts
2250/0063 . . . Sets comprising a plurality of prosthetic parts of different sizes
2250/0065 . . . telescopic
2250/0066 . . . Means for introducing or releasing pharmaceutical products into the body
2250/0067 . . . the pharmaceutical product being in a reservoir
2250/0068 . . . Sealing means
2250/007 . . . O-rings
2250/0071 . . . breakable or frangible
2250/0073 . . . Force-limiting means
2250/0074 . . . Torque-limiting means
2250/0075 . . . Sound-damping or noise-reducing means
2250/0076 . . . waterproof
2250/0077 . . . Gender-specific, e.g. different for male and female patients
2250/0078 . . . Means for preventing the accidental forgetting of prosthetic parts inside the body during operation
2250/008 . . . Alarm means
2250/0081 . . . Prosthesis for animals
2250/0082 . . . specially designed for children, e.g. having means for adjusting to their growth
2250/0084 . . . Means for distinguishing between left-sided and right-sided devices; Sets comprising both left-sided and right-sided prosthetic parts
2250/0085 . . . Identification means; Administration of patients
2250/0086 . . . with bar code
2250/0087 . . . colour-coded
2250/0089 . . . coded with symbols, e.g. dots, numbers, letters, words
2250/009 . . . for single use, e.g. having means for preventing re-use
2250/0091 . . . transparent or translucent
2250/0092 . . . Means for cleaning prostheses
2250/0093 . . . Ultrasound system, e.g. for inducing coagulation during eye surgery
2250/0095 . . . with high intensity focused ultrasound
2250/0096 . . . Markers and sensors for detecting a position or changes of a position of an implant, e.g. RF sensors, ultrasound markers
2250/0097 . . . Visible markings, e.g. indicia
2250/0098 . . . radio-opaque, e.g. radio-opaque markers

2310/00 Prostheses classified in A61F 2/28 or A61F 2/30 - A61F 2/44 being constructed from or coated with a particular material
2310/00005 . . . The prosthesis being constructed from a particular material
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

- Metals or alloys
  - Iron- or Fe-based alloys, e.g. stainless steel
  - Titanium or titanium-based alloys, e.g. Ti-Ni alloys
  - Cobalt-based alloys, e.g. Co-Cr alloys or Vitallium
  - Other metals or alloys
  - Magnesium or Mg-based alloys
  - Aluminium or Al-based alloys
  - Vanadium or V-based alloys
  - Chromium or Cr-based alloys
  - Manganese or Mn-based alloys
  - Nickel or Ni-based alloys
  - Copper or Cu-based alloys
  - Zinc or Zn-based alloys
  - Zirconium or Zr-based alloys
  - Niobium or Nb-based alloys
  - Molybdenum or Mo-based alloys
  - Palladium or Pd-based alloys
  - Silver or Ag-based alloys
  - Tin or Sn-based alloys
  - Hafnium or Hf-based alloys
  - Tantalum or Ta-based alloys
  - Tungsten or W-based alloys
  - Iridium or Ir-based alloys
  - Platinum or Pt-based alloys
  - Gold or Au-based alloys
  - Carbon; Graphite
  - Diamond or diamond-like carbon
  - Graphite
  - Ceramics or ceramic-like structures
    - based on metal oxides
      - containing beryllium oxide
      - containing magnesia or magnesium oxide
      - containing alumina or aluminium oxide
      - Corundum or Sapphire
      - containing silica or silicon oxide
      - containing calcia or calcium oxide
      - containing titania or titanium oxide
      - containing chromia or chromium oxides
        - CrO, CrO\(_2\), or CrO\(_3\)
      - containing zirconia or zirconium oxide ZrO\(_2\)
      - containing niobium oxide
      - containing hafnia or hafnium oxide
      - containing tantalum oxide
      - based on metal borides
      - based on metal carbides
      - containing boron carbide
      - containing silicon carbide
      - containing titanium carbide
      - containing a phosphorus-containing compound, e.g. apatite
      - based on metal nitrides
      - containing boron nitride
      - containing aluminium nitride
      - containing silicon nitride
      - containing titanium nitride
      - Glasses, e.g. bioglass
      - Porcelain
      - Coral, e.g. aragonite, porite
      - Nacre or mother-of-pearl

- Ceramic or ceramic-like compounds
  - containing compounds based on metal oxides or hydroxides
  - containing metal oxides or hydroxides

- Coatings or prosthesis-covering structure
  - made of metals or of alloys
  - made of iron, of stainless steel or of other Fe-based alloys
  - made of titanium or of Ti-based alloys
  - made of cobalt or of Co-based alloys
  - Other metals
  - made of magnesium or of Mg-based alloys
  - made of aluminium or of Al-based alloys
  - made of silicon or Si-based alloys
  - made of vanadium or of V-based alloys
  - made of chromium or Cr-based alloys
  - made of manganese Mn-based alloys
  - made of nickel or Ni-based alloys
  - made of copper or Cu-based alloys
  - made of zinc or Zn-based alloys
  - made of germanium or Ge-based alloys
  - made of zirconium or Zr-based alloys
  - made of niobium or Nb-based alloys
  - made of molybdenum or Mo-based alloys
  - made of ruthenium or Ru-based alloys
  - made of rhodium or Rh-based alloys
  - made of palladium or Pd-based alloys
  - made of silver or Ag-based alloys
  - made of indium or In-based alloys
  - made of tin or Sn-based alloys
  - made of hafnium or Hf-based alloys
  - made of tantalum or Ta-based alloys
  - made of tungsten or W-based alloys
  - made of iridium or Ir-based alloys
  - made of platinum or Pt-based alloys
  - made of gold or Au-based alloys
  - made of carbon, e.g. pyrocarbon
  - made of diamond or of diamond-like carbon DLC
  - made of graphite
  - made of compounds based on metal oxides or hydroxides

- Other materials
  - Bone cement, e.g. polymethylmethacrylate or PMMA
  - Bone or bony tissue
  - Proteins; Polypeptides; Degradation products thereof
  - Collagen
  - Fibrin
  - Gelatin
  - The prosthesis being coated or covered with a particular material
  - Coating made of graphite
  - Coating made of diamond or of diamond-like carbon
  - Coating made of vanadium or of V-based alloys
  - Coating made of chromium or Cr-based alloys
  - Coating made of manganese Mn-based alloys
  - Coating made of nickel or Ni-based alloys
  - Coating made of copper or Cu-based alloys
  - Coating made of zinc or Zn-based alloys
  - Coating made of germanium or Ge-based alloys
  - Coating made of zirconium or Zr-based alloys
  - Coating made of niobium or Nb-based alloys
  - Coating made of molybdenum or Mo-based alloys
  - Coating made of ruthenium or Ru-based alloys
  - Coating made of rhodium or Rh-based alloys
  - Coating made of palladium or Pd-based alloys
  - Coating made of silver or Ag-based alloys
  - Coating made of indium or In-based alloys
  - Coating made of tin or Sn-based alloys
  - Coating made of hafnium or Hf-based alloys
  - Coating made of tantalum or Ta-based alloys
  - Coating made of tungsten or W-based alloys
  - Coating made of iridium or Ir-based alloys
  - Coating made of platinum or Pt-based alloys
  - Coating made of gold or Au-based alloys
  - Coating made of carbon, e.g. pyrocarbon
  - Coating made of diamond or of diamond-like carbon DLC
  - Coating made of graphite
  - Coating made of compounds based on metal oxides or hydroxides
  - Coating made of aluminium oxide or hydroxides
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<td>Coating made of tungsten oxide or hydroxides</td>
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<td>Coating or prosthesis-covering structure made of compounds based on metal borides</td>
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<td>2310/00796</td>
<td>Coating or prosthesis-covering structure made of a phosphorus-containing compound, e.g. hydroxyapatite</td>
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<td>2310/00802</td>
<td>Coating or prosthesis-covering structure made of compounds based on metal hydrides</td>
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