**CPC**

**COOPERATIVE PATENT CLASSIFICATION**

**A**

**HUMAN NECESSITIES**

**HEALTH; AMUSEMENT**

**A61**

**MEDICAL OR VETERINARY SCIENCE; HYGIENE**

**A61F**

FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; 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:

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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.

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

**Prostheses: Accessories**

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 1/10; artificial kidneys A61M 1/14)

2/0004 (Closure means for urethra or rectum, i.e. anti-incontinence devices or support slings against pelvic prolapse)

2/0009 (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 17/00057))

2/0013 (inflatable)
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2/0077 . . . . [Special surfaces of prostheses, e.g. for improving ingrowth (A61F 2/30767 takes precedence)]

2002/0081 . . . . [directly machined on the prosthetic surface, e.g. holes, grooves (A61F 2/30771 takes precedence)]

2002/0086 . . . . [for preferentially controlling or promoting the growth of specific types of cells or tissues (of bone tissue onto implantable joints A61F 2002/3093)]

2002/009 . . . . [for hindering or preventing attachment of biological tissue (of bone tissue onto implantable joints A61F 2002/3093)]

2002/0091 . . . . [Having cellular growth inhibitors]

WARNING
Group A61F 2002/0091 is incomplete pending reclassification of documents from groups A61F 2002/009.
Groups A61F 2002/009 and A61F 2002/0091 should be considered in order to perform a complete search.

2/0095 . . . . [Packages or dispensers for prostheses or other implants (for intraocular lenses A61F 2/1691; for dental surgery A61C 19/02)]

2/01 . . . . Filters implantable into blood vessels [(filters used as gripping instruments A61B 17/2231)]

2002/011 . . . . [Instruments for their placement or removal]

2/013 . . . . [Distal protection devices, i.e. devices placed distally in combination with another endovascular procedure, e.g. angioplasty or stenting]

2002/015 . . . . [Stop means therefor]

2002/016 . . . . [made from wire-like elements]

2002/018 . . . . [made from tubes or sheets of material, e.g. by etching or laser-cutting]

2/02 . . . . Prostheses implantable into the body {closure means for urethra or rectum or for artificial body openings therefor A61F 2000/47]}

2/022 . . . . [Artificial gland structures using bioreactors (hemodialysis A61M 1/16; hemofiltration A61M 1/34; other extracorporeal blood treatment A61M 1/36)]

2/04 . . . . 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 2/82; instruments specially adapted for placement or removal of stents or stent-grafts A61F 2/95)]

2002/041 . . . . [Bile ducts]

2/042 . . . . [Urinary bladders]

2002/043 . . . . [Bronchi]

2002/044 . . . . [Oesophagi or esophagi or gullets]

2002/045 . . . . [Stomach, intestines]

2002/046 . . . . [Tracheae]

2002/047 . . . . [Urethrae]

2002/048 . . . . [Ureters]

2/06 . . . . Blood vessels

2002/061 . . . . [provided with means for allowing access to secondary lumens]

2/062 . . . . [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)]

2/064 . . . . [with special features to facilitate anastomotic coupling (anastomosis of natural blood vessels A61B 17/11)]

2002/065 . . . . [Y-shaped blood vessels]

2002/067 . . . . [modular]

2002/068 . . . . [Modifying the blood flow model, e.g. by diffuser or deflector]

2/07 . . . . Stent-grafts

2002/072 . . . . [Encapsulated stents, e.g. wire or whole stent embedded in lining]

2002/075 . . . . [the stent being loosely attached to the graft material, e.g. by stitching]

2002/077 . . . . [having means to fill the space between stent-graft and aneurysm wall, e.g. a sleeve]

2/08 . . . . Muscles; Tendons; Ligaments [(sutures A61B 17/04)]

2002/0805 . . . . [Implants for inserting tendons or ligaments]

2002/0811 . . . . [Fixation devices for tendons or ligaments]

2002/0817 . . . . [Structure of the anchor]

2002/0823 . . . . [Modular anchors comprising a plurality of separate parts]

2002/0829 . . . . [without deformation of anchor parts, e.g. fixation screws on bone surface, extending barbs, cams, butterflies, spring-loaded pins]

2002/0835 . . . . [with deformation of anchor parts, e.g. expansion of dowel by set screw]

2002/0841 . . . . [Longitudinal channel for insertion tool running through the whole tendon anchor, e.g. for accommodating bone drill, guidewire]

2002/0847 . . . . [Mode of fixation of anchor to tendon or ligament]

2002/0852 . . . . [Fixation of a loop or U-torn, e.g. eyelets, anchor having multiple holes]

2002/0858 . . . . [Fixation of tendon or ligament between anchor and bone, e.g. interference screws, wedges]

2002/0864 . . . . [Fixation of tendon or ligament between anchor elements, e.g. by additional screws in the anchor, anchor crimped around tendon]

2002/087 . . . . [Anchor integrated into tendons, e.g. bone blocks, integrated rings]

2002/0876 . . . . [Position of anchor in respect to the bone]

2002/0882 . . . . [Anchor in or on top of a bone tunnel, i.e. a hole running through the entire bone]

2002/0888 . . . . [Anchor in or on a blind hole or on the bone surface without formation of a tunnel]

2002/0894 . . . . [Muscles (non-implantable A61F 2002/5066)]

2/10 . . . . Hair or skin implants

2/105 . . . . [Skin implants, e.g. artificial skin]

2/12 . . . . Mammary prostheses and implants

2/14 . . . . [Eye parts, e.g. lenses, corneal implants; Implanting instruments specially adapted therefor]; Artificial eyes

2/141 . . . . [Artificial eyes]

2/142 . . . . [Cornea, e.g. artificial cornea, keratoprostheses or corneal implants for repair of defective corneal tissue]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2/145 . . . [Corneal inlays, onlays, or lenses for refractive correction]

**WARNING**

Group A61F 2/145 is impacted by reclassification into groups A61F 2/1451 and A61F 2/1453.

Groups A61F 2/145, A61F 2/1451, and A61F 2/1453 should be considered in order to perform a complete search.

2/1451 . . . . [Inlays or onlays]
2/1453 . . . . [Corneal lenses connected to distinct attachment means]
2/147 . . . [Implants to be inserted in the stroma for refractive correction, e.g. ring-like implants]
2/148 . . . . [Implantation instruments specially adapted therefor]
2/15 . . . . [Implant having one or more holes, e.g. for nutrient transport, for facilitating handling]

**WARNING**

Group A61F 2/15 is incomplete pending reclassification of documents from group A61F 2/14.

Groups A61F 2/14 and A61F 2/15 should be considered in order to perform a complete search.

2/16 . . . . Intraocular lenses

**WARNING**


All groups listed should be considered in order to perform a complete search.

2/1601 . . . . [Lens body having features to facilitate aqueous fluid flow across the intraocular lens, e.g. for pressure equalization or nutrient delivery]
2/16015 . . . . [Lens having spacers for providing a gap between the posterior capsule and a posterior surface of the intraocular lens]
2/1602 . . . . [Corrective lenses for use in addition to the natural lenses of the eyes or for pseudophakic eyes]
2/1605 . . . . . . [Anterior chamber lenses for use in addition to the natural lenses of the eyes, e.g. iris fixated, iris floating]
2/1608 . . . . . . [Iris fixated, e.g. by clamping iris tissue, by suturing to the iris]
2/161 . . . . . . [Posterior chamber lenses for use in addition to the natural lenses of the eyes]
2/1613 . . . . [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]
2/1616 . . . . . . [Pseudo-accommodative, e.g. multifocal or enabling monovision]
2/1618 . . . . . . [Multifocal lenses]

2/1621 . . . . [having correction for monovision]
2/1624 . . . . [having adjustable focus; power activated variable focus means, e.g. mechanically or electrically by the ciliary muscle or from the outside]
2/1627 . . . . . . [for changing index of refraction, e.g. by external means or by tilting]
2/1629 . . . . . . [for changing longitudinal position, i.e. along the visual axis when implanted]
2/1632 . . . . . . [for changing radial position, i.e. perpendicularly to the visual axis when implanted]
2/1635 . . . . . . [for changing shape]
2/1637 . . . . [Correcting aberrations caused by inhomogeneities; correcting intrinsic aberrations, e.g. of the cornea, of the surface of the natural lens, aspheric, cylindrical, toric lenses]
2/164 . . . . . . . . [Aspheric lenses]
2/1643 . . . . . . . . [Cylindrical lenses]
2/1645 . . . . . . . . [Toric lenses]
2/1648 . . . . . . . . [Diffractive lenses]
2/1651 . . . . . . . . [Multipart lenses comprising a telescope]
2/1654 . . . . . . . . [Diffractive lenses]
2/1656 . . . . . . . . [Multipart lenses]
2/1659 . . . . . . . . [having variable absorption coefficient for electromagnetic radiation, e.g. photochromic lenses]

2/1662 . . . . [Instruments for inserting intraocular lenses into the eye]
2/1664 . . . . . . . . [for manual insertion during surgery, e.g. forceps-like instruments]
2/1667 . . . . . . . . [with rotatable plungers]
2/167 . . . . . . . . [with pushable plungers]
2/1672 . . . . . . . . [with a two-stage plunger, e.g. rotatable and pushable or rotatable at different speeds]
2/1675 . . . . . . . . [with a lubricated inner surface, e.g. the lubricant being coated on the inner surface or being injected through a port]
2/1678 . . . . . . . . [with a separate cartridge or other lens setting part for storage of a lens, e.g. preloadable for shipping]

2002/1681 . . . . [having supporting structure for lens, e.g. haptics]

**WARNING**


All groups listed should be considered in order to perform a complete search.

2002/1682 . . . . [having mechanical force transfer mechanism to the lens, e.g. for accommodating lenses]
2002/1683 . . . . [having filiform haptics]
2002/1686 . . . . [Securing a filiform haptic to a lens body]
2002/1689 . . . . [having plate-haptics]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

A61F

2002/169 . . . . . . . (Surrounding optic)
2002/16901 . . . . . . . (Supporting structure conforms to shape of capsular bag)
2002/16902 . . . . . . . (Separable from intraocular lens)
2002/16903 . . . . . . . (Having means to temporarily stabilize haptic)
2002/16905 . . . . . . . (Having means on lens to reduce overall dimension of lens for insertion into small incision)
2002/169051 . . . . . . . {Segmented zones}
2002/169052 . . . . . . . {Segments slide}
2002/169053 . . . . . . . {Segments fold}
2/1691 . . . . . . . {Packages or dispensers for intraocular lenses (for contact lenses A45C 11/005)}
2/1694 . . . . . . . {Capsular bag spreaders therefor}
2002/1696 . . . . . . . {Having structure for blocking or reducing amount of light transmitted, e.g. glare reduction}
2002/16965 . . . . . . . [Lens includes ultraviolet absorber]
2002/16999 . . . . . . . [Additional features not otherwise provided for]
2/18 . . . . . . . Internal ear or nose parts, e.g. ear-drums
({implants for middle ear ventilation or drainage A61F 11/002})
2002/183 . . . . . . . {Ear parts}
2/186 . . . . . . . {Nose parts}
2/20 . . . . . . . {Epiglottis}; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se A61F 2/04; tracheostomy tubes A61M 16/0465)
2/203 . . . . . . . {comprising an air passage from trachea to oesophagus or to pharynx; Artificial epiglottis}
2002/206 . . . . . . . {Speech aids with external actuators, e.g. electrical larynxes}
2/24 . . . . . . . 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)
2/2403 . . . . . . . {with pivoting rigid closure members (check valves with hinged closure members in general F16K 15/03)}
2/2406 . . . . . . . {without fixed axis}
2/2409 . . . . . . . {Support rings therefor, e.g. for connecting valves to tissue (annuloplasty rings A61F 2/2442)}
2/2412 . . . . . . . {with soft flexible valve members, e.g. tissue valves shaped like natural valves (check valves with flexible valve members in general F16K 15/14)}
2/2415 . . . . . . . {Manufacturing methods}
2/2418 . . . . . . . {Scaffolds therefor, e.g. support stents}
2/2421 . . . . . . . {with non-pivoting rigid closure members}
2/2424 . . . . . . . {Ball valves}
2/2427 . . . . . . . {Devices for manipulating or deploying heart valves during implantation}
2/243 . . . . . . . {Deployment by mechanical expansion}
2/2433 . . . . . . . {using balloon catheter}
2/2436 . . . . . . . {Deployment by retracting a sheath}
2/2439 . . . . . . . {Expansion controlled by filaments}
2/2442 . . . . . . . {Annuloplasty rings or inserts for correcting the valve shape; Implants for improving the function of a native heart valve}
2/2445 . . . . . . . {Annuloplasty rings in direct contact with the valve annulus}
2/2448 . . . . . . . {D-shaped rings}
2/2451 . . . . . . . {Inserts in the coronary sinus for correcting the valve shape}
2/2454 . . . . . . . {Means for preventing inversion of the valve leaflets, e.g. chordae tendineae prostheses}
2/2457 . . . . . . . {Chordae tendineae prostheses}
2/246 . . . . . . . {Devices for obstructing a leak through a native valve in a closed condition}
2/2463 . . . . . . . {Implants forming part of the valve leaflets}
2/2466 . . . . . . . {Delivery devices therefor}
2/2469 . . . . . . . {with resilient valve members, e.g. conical spiral}
2/2472 . . . . . . . {Devices for testing}
2/2475 . . . . . . . {Venous valves}
2/2478 . . . . . . . {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}
2/2481 . . . . . . . {Devices outside the heart wall, e.g. bags, strips or bands}
2002/2484 . . . . . . . {Delivery devices therefor}
2/2487 . . . . . . . {Devices within the heart chamber, e.g. splints}
2002/249 . . . . . . . {Device completely embedded in the heart wall}
2/2493 . . . . . . . {Transmyocardial revascularisation [TMR] devices}
2/2496 . . . . . . . {Devices for determining the dimensions of the prosthetic valve to be implanted, e.g. templates, sizers}
2/26 . . . . . . . Penis implants
2/28 . . . . . . . Bones ([A61F 2/42 takes precedence]; joints A61F 2/30; means for introducing bone substitute or for implanting bone graft implants A61F 2/4601; devices for grinding or milling bone material A61F 2/4641)
2/2803 . . . . . . . {for mandibular reconstruction (temporomandibular joints A61F 2/3099; bone plates for the jaw A61B 17/8071)}
2002/2807 . . . . . . . {Chin implants}
2002/281 . . . . . . . {Gonial implants}
2/2814 . . . . . . . {Bone stump caps}
2002/2817 . . . . . . . {Bone stimulation by chemical reactions or by osteogenic or biological products for enhancing ossification, e.g. by bone morphogenetic or morphogenic proteins [BMP] or by transforming growth factors [TGF] or by osteogenic or biological products for enhancing ossification}
2002/2821 . . . . . . . {Bone stimulation by electromagnetic fields or electric current for enhancing ossification}
2002/2825 . . . . . . . {Femur}
2002/2828 . . . . . . . {Femoral head}
2002/2832 . . . . . . . {Femoral neck}
2002/2835 . . . . . . . {Bone graft implants for filling a bony defect or an endoprosthesis cavity}
2002/2839 . . . . . . . {Bone plugs or bone graft dowels}
2002/2842 . . . . . . . {Bone marrow grafts}
2/2846 . . . . . . . {Support means for bone substitute or for bone graft implants, e.g. membranes or plates for covering bone defects (nets or sleeves applied to surface of endoprostheses A61F 2/30907; bone plates A61B 17/80; bone regeneration in dental surgery A61C 8/0066)}
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/285 . . . . . [Fixation appliances for attaching bone substitute support means to underlying bone]
2002/2853 . . . . . [Humerus]
2002/2876 . . . . . [for cadavers (devices for autopsy A61B 16/00)]
2002/2826 . . . . . [Bone stimulation by mechanical vibrations for enhancing ossification]
2002/2864 . . . . . [by ultrasonic or acoustic vibrations]
2002/2867 . . . . . [Bone marrow]
2002/2871 . . . . . [Radius]
2002/2875 . . . . . [Skull or cranium (A61F 2/2803 and A61F 2/3099 take precedence)]
2002/2878 . . . . . [for orbital repair]
2002/2882 . . . . . [Malar or zygomatic implants]
2002/2885 . . . . . [Paranasal implants]
2002/2889 . . . . . [Maxillary, premaxillary or molar implants]
2002/2892 . . . . . [Tibia]
2002/2896 . . . . . [Ulna]
2002/30001 . . . . . [Additional features of subject-matter classified in A61F 2/28, A61F 2/30 and subgroups thereof]
2002/30003 . . . . . [Material related properties of the prosthesis or of a coating on the prosthesis]
2002/30004 . . . . . [The prosthesis made from materials having different values of a given property at different locations within the same prosthesis]
2002/30006 . . . . . [differing in density or specific weight]
2002/30008 . . . . . [differing in yarn density]
2002/30009 . . . . . [differing in fibre orientations]
2002/30011 . . . . . [differing in porosity]
2002/30013 . . . . . [made from both porous and non-porous parts, e.g. adjacent parts]
2002/30014 . . . . . [differing in elasticity, stiffness or compressibility]
2002/30016 . . . . . [differing in hardness, e.g. Vickers, Shore, Brinell]
2002/30018 . . . . . [differing in bending or flexure capacity]
2002/30019 . . . . . [differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability]
2002/30021 . . . . . [differing in brittleness]
2002/30023 . . . . . [differing in viscosity]
2002/30024 . . . . . [differing in coefficient of friction]
2002/30026 . . . . . [differing in wear resistance]
2002/30028 . . . . . [differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts]
2002/30029 . . . . . [differing in bone ingrowth capacity]
2002/30031 . . . . . [differing in wettabiility, e.g. in hydrophilic or hydrophobic behaviours]
2002/30032 . . . . . [differing in absorbability or resorbability, i.e. in absorption or resorption time]
2002/30034 . . . . . [made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts]
2002/30036 . . . . . [differing in release or diffusion time]
2002/30037 . . . . . [differing in coefficient of thermal expansion or dilatation]

2002/30039 . . . . . [differing in shape-memory transition temperatures, e.g. in martensitic transition temperature or in austenitic transition temperature]
2002/30041 . . . . . [differing in hardening time]
2002/30042 . . . . . [made from both cured and uncured parts]
2002/30044 . . . . . [differing in melting temperature]
2002/30046 . . . . . [differing in thermal conductivity]
2002/30047 . . . . . [differing in colour]
2002/30049 . . . . . [differing in optical properties]
2002/30051 . . . . . [differing in corrosion resistance]
2002/30052 . . . . . [differing in electric properties]
2002/30054 . . . . . [differing in electromagnetic properties]
2002/30056 . . . . . [differing in radiographic density]
2002/30057 . . . . . [made from both cortical and cancellous adjacent parts]
2002/30059 . . . . . [differing in bone mineralization, e.g. made from both mineralized and demineralized adjacent parts]
2002/3006 . . . . . [Properties of materials and coating materials]
2002/30062 . . . . . [(bio)absorbable, biodegradable, bioeroduble, (bio)resorbable, resorpitive ]
2002/30064 . . . . . [Coating or prosthesis-covering structure made of biodegradable material]
2002/30065 . . . . . [thermoplastic, i.e. softening or fusing when heated, and hardening and becoming rigid again when cooled]
2002/30067 . . . . . [Coating or prosthesis-covering structure made of thermoplastic material]
2002/30069 . . . . . [elastomeric]
2002/3007 . . . . . [Coating or prosthesis-covering structure made of elastic material, e.g. of elastomer]
2002/30072 . . . . . [Coating made of plasticly deformable or self-moulding material]
2002/30074 . . . . . [stretchable]
2002/30075 . . . . . [swellable, e.g. when wetted]
2002/30077 . . . . . [shrinkable]
2002/30079 . . . . . [magnetic]
2002/3008 . . . . . [radio-opaque, e.g. radio-opaque markers]
2002/30082 . . . . . [radioactive]
2002/30084 . . . . . [Materials having a crystalline structure]
2002/30085 . . . . . [anisotropic]
2002/30087 . . . . . [piezoelectric]
2002/30088 . . . . . [Phase change materials [PCM], e.g. for storing latent heat]
2002/3009 . . . . . [Transparent or translucent]
2002/30092 . . . . . [using shape memory or superelastic materials, e.g. nitinol]
2002/30093 . . . . . [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]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

Shapes: Cross-sections or two-dimensional shapes.

- Circular
- Elliptical or oval
- Oval-O-shaped
- Concentric ellipses
- Figure-"8"- or hourglass-shaped
- Horseshoe- or crescent- or C-shaped or U-shaped
- Kidney-shaped or bean-shaped
- S-shaped or Z-shaped
- Undulated or wavy, e.g. serpentine-shaped or zigzag-shaped
- Convex polygonal shapes
- Decagonal
- Dodecagonal
- Hexagonal
- Honeycomb pattern
- Octagonal
- Lozenge- or diamond-shaped
- Pentagonal
- Rhomboidal or parallelogram-shaped
- Rectangular
- Square
- Triangular
- Trapezoidal
- Concave polygonal shapes
- Arrow-shaped
- Cruciform, different from X-shaped
- Dovetail-shaped
- H-shaped or I-shaped
- L-shaped
- Pi-shaped
- Rosette- or star-shaped
- T-shaped

Other shapes: Cross-sections or two-dimensional shapes.

- Hollow spheres
- Partial spheres
- Quarter-spheres
- Hemispheres or half-spheres
- Half-toruses
- Toric
- Conical
- Omega-shaped
- Three-dimensional shapes
- Half-tubes
- Stepped cylinders, i.e. having discrete diameter changes
- Stepped cylinders, i.e. having tapered sections of different conicities
- Flat cylinders, i.e. discs
- Arch, domed or vaulted
- Cylinders of elliptical or oval basis
- Wedge-shaped cylinders
- Half-cylinders
- The inner and outer surfaces having different conicities
- Half tubular-like cones
- Concentric 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
- Half tubes
- Concentric tubes
- Spherical
- The overall spherical surface being composed of a plurality of adjacent circular or polygonal segments, e.g. football-like shaped
- Partial spheres
- Hemispheres or half-spheres
- Quarter-spheres
- Hollow spheres
- Quadratic-shaped
- Ellipsoidal or ovoid

[operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply]
[electrically, e.g. heated by resistor]
[electromagnetically]
[using a fluid, e.g. circulating]
[heat by light]
[ultrasonically]
[using materials or accessories for preventing galvanic or electrolytic corrosion]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

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 thickness
- Differing in height or in length
- Differing in diameter

The prosthesis having different structural features differing in height or in length:

- Bell-shaped
- Doughnut-shaped
- Hat-shaped

The prosthesis having different structural features differing in thickness:

- Hat-shaped
- Harpoon-shaped
- Banana-shaped

The prosthesis having different structural features differ in roughness:

- Banana-shaped
- Harpoon-shaped

The prosthesis having different structural features differ in moment of inertia:

- Doughnut-shaped
- Hat-shaped

The prosthesis having different structural features differ in surface structures:

- Bell-shaped
- Doughnut-shaped

The prosthesis having different structural features differ in thickness:

- Hat-shaped
- Harpoon-shaped

The prosthesis having different structural features differ in height or in length:

- Bell-shaped
- Doughnut-shaped
<table>
<thead>
<tr>
<th>Patent No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002/30373</td>
<td>(with additional means for preventing said translation)</td>
</tr>
<tr>
<td>2002/30375</td>
<td>(with an intermediate bushing or sleeve between the moving parts)</td>
</tr>
<tr>
<td>2002/30377</td>
<td>(Protrusion and recess of constant polygonal, serrated or undulated cross-section)</td>
</tr>
<tr>
<td>2002/30378</td>
<td>(Spherically-shaped protrusion and recess)</td>
</tr>
<tr>
<td>2002/3038</td>
<td>(made by pushing a key or a peg into a mating slot or hole)</td>
</tr>
<tr>
<td>2002/30382</td>
<td>(made by pushing lateral pegs into mating lateral slots or bores)</td>
</tr>
<tr>
<td>2002/30383</td>
<td>(made by laterally inserting a protrusion, e.g. a rib into a complementarily-shaped groove)</td>
</tr>
<tr>
<td>2002/30385</td>
<td>(the rib and groove having non-parallel, e.g. conically-tapered, cooperating sides, e.g. having a trapezoidal front cross-section)</td>
</tr>
<tr>
<td>2002/30387</td>
<td>(Dovetail connection)</td>
</tr>
<tr>
<td>2002/30388</td>
<td>(Half-dovetail)</td>
</tr>
<tr>
<td>2002/3039</td>
<td>(with possibility of relative movement of the rib within the groove)</td>
</tr>
<tr>
<td>2002/30392</td>
<td>(Rotation)</td>
</tr>
<tr>
<td>2002/30393</td>
<td>(with additional means for limiting said rotation)</td>
</tr>
<tr>
<td>2002/30395</td>
<td>(with additional means for preventing or locking said rotation)</td>
</tr>
<tr>
<td>2002/30397</td>
<td>(Limited lateral translation of the rib within a larger groove)</td>
</tr>
<tr>
<td>2002/30398</td>
<td>(Sliding)</td>
</tr>
<tr>
<td>2002/304</td>
<td>(with additional means for limiting said sliding)</td>
</tr>
<tr>
<td>2002/30401</td>
<td>(with additional means for preventing or locking said sliding)</td>
</tr>
<tr>
<td>2002/30403</td>
<td>(Longitudinally-oriented cooperating ribs and grooves on mating lateral surfaces of a mainly longitudinal connection)</td>
</tr>
<tr>
<td>2002/30405</td>
<td>(made by screwing complementary threads machined on the parts themselves)</td>
</tr>
<tr>
<td>2002/30406</td>
<td>(Threads machined on spherical, e.g. hemispherical, surfaces)</td>
</tr>
<tr>
<td>2002/30408</td>
<td>(Conical threadings)</td>
</tr>
<tr>
<td>2002/3041</td>
<td>(having threaded portions of different pitches)</td>
</tr>
<tr>
<td>2002/30411</td>
<td>(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)</td>
</tr>
<tr>
<td>2002/30413</td>
<td>(having threads of increasing height or depth)</td>
</tr>
<tr>
<td>2002/30415</td>
<td>(with additional means for limiting the length of the movement of the male threads within the female threads)</td>
</tr>
<tr>
<td>2002/30416</td>
<td>(Microthreads)</td>
</tr>
<tr>
<td>2002/30418</td>
<td>(Double or multiple threadings)</td>
</tr>
<tr>
<td>2002/3042</td>
<td>(with a pin multiple threading)</td>
</tr>
<tr>
<td>2002/30421</td>
<td>(Rounded threads)</td>
</tr>
<tr>
<td>2002/30423</td>
<td>(Stepped cylindrical threads, i.e. having discrete diameter changes)</td>
</tr>
<tr>
<td>2002/30425</td>
<td>(Square threads)</td>
</tr>
<tr>
<td>2002/30426</td>
<td>(Bayonet coupling)</td>
</tr>
<tr>
<td>2002/30428</td>
<td>(made by inserting a protrusion into a slot)</td>
</tr>
<tr>
<td>2002/30429</td>
<td>(made by inserting a hook into a cooperating slot)</td>
</tr>
<tr>
<td>2002/30431</td>
<td>(made by first pushing a necked button longitudinally and then sliding it laterally within a keyhole slot)</td>
</tr>
<tr>
<td>2002/30433</td>
<td>(using additional screws, bolts, dowels or rivets, e.g. connecting screws)</td>
</tr>
<tr>
<td>2002/30434</td>
<td>(using bolts)</td>
</tr>
<tr>
<td>2002/30436</td>
<td>(using dowels)</td>
</tr>
<tr>
<td>2002/30438</td>
<td>(using nuts)</td>
</tr>
<tr>
<td>2002/30439</td>
<td>(Screw head protectors)</td>
</tr>
<tr>
<td>2002/30441</td>
<td>(using rivets or directly riveted)</td>
</tr>
<tr>
<td>2002/30443</td>
<td>(using washers)</td>
</tr>
<tr>
<td>2002/30444</td>
<td>(Split washers)</td>
</tr>
<tr>
<td>2002/30446</td>
<td>(Spring washers, e.g. Belleville washers)</td>
</tr>
<tr>
<td>2002/30448</td>
<td>(using adhesives)</td>
</tr>
<tr>
<td>2002/30449</td>
<td>(the adhesive being cement)</td>
</tr>
<tr>
<td>2002/30451</td>
<td>(soldered or brazed or welded)</td>
</tr>
<tr>
<td>2002/30453</td>
<td>(brazed)</td>
</tr>
<tr>
<td>2002/30454</td>
<td>(by high energy welding, e.g. laser beam welding, electron beam welding, plasma welding)</td>
</tr>
<tr>
<td>2002/30456</td>
<td>(by spot welding)</td>
</tr>
<tr>
<td>2002/30457</td>
<td>(by ultrasonic or sonic welding)</td>
</tr>
<tr>
<td>2002/30459</td>
<td>(stapled)</td>
</tr>
<tr>
<td>2002/30461</td>
<td>(sutured, ligatured or stitched)</td>
</tr>
<tr>
<td>2002/30462</td>
<td>(retained or tied with a rope, string, thread, wire or cable)</td>
</tr>
<tr>
<td>2002/30464</td>
<td>(using bands, belts or straps)</td>
</tr>
<tr>
<td>2002/30466</td>
<td>(being elastic)</td>
</tr>
<tr>
<td>2002/30467</td>
<td>(using hook and loop-type fasteners)</td>
</tr>
<tr>
<td>2002/30469</td>
<td>(using band clamps)</td>
</tr>
<tr>
<td>2002/30471</td>
<td>(connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type)</td>
</tr>
<tr>
<td>2002/30472</td>
<td>(using connecting nails or pins)</td>
</tr>
<tr>
<td>2002/30474</td>
<td>(using an intermediate sleeve interposed between both prosthetic parts to be coupled)</td>
</tr>
<tr>
<td>2002/30476</td>
<td>(locked by an additional locking mechanism)</td>
</tr>
<tr>
<td>2002/30477</td>
<td>(using sharp protrusions, e.g. spikes, for anchoring into connecting prosthetic part)</td>
</tr>
<tr>
<td>2002/30479</td>
<td>(using a locking ball)</td>
</tr>
<tr>
<td>2002/30481</td>
<td>(using a locking clip)</td>
</tr>
<tr>
<td>2002/30482</td>
<td>(using a locking cam)</td>
</tr>
<tr>
<td>2002/30484</td>
<td>(Mechanically expandable devices located on the first prosthetic part for locking into or onto the second prosthetic part)</td>
</tr>
<tr>
<td>2002/30485</td>
<td>(plastically deformable)</td>
</tr>
</tbody>
</table>
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

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

{Circumferential cooperating serrations}

[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]

{Split ring, e.g. circlip}

{Snap connection}

{Press-buttons}

{made by laterally snapping a peg or a like protrusion into a mating detent, hole or slot}

{{spring biased}

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

{using a traction locking screw}

{using a locking bolt or a set bolt}

{using a locking nut or a set nut}

{using a locking washer}

{using a locking wedge or block}

{using a locking plate}

{with possibility of relative movement between the prosthetic parts}

{unrestrained in only one direction, e.g. moving unidirectionally}

{releasable, e.g. using a releasable ratchet}

{by means of meshing gear teeth}

{Worm gears}

{using a gear box}

{Means for limiting said movement}

{having additional means for preventing unwanted connections}

{for preventing connection between parts of wrong sizes or orientations}

{for preventing permanent connection between prosthetic parts and trial parts}

{Special structural features of bone or joint prostheses not otherwise provided for}

{adjustable}

{for adjusting angular orientation}

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

{at continuous positions}

{at only two discrete angular positions, e.g. located at 180 degrees intervals}

{for adjusting a diameter}

{for adjusting elasticity, flexibility, spring rate or mechanical tension}

{for adjusting fluid pressure}

{at different discrete positions, e.g. at equidistant intervals}

{for adjusting a position by translation along an axis}

{along two perpendicular axes}

{for adjusting thickness}

{Force-limiting means}

{Torque-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}

{Multiple spring systems including two or more helical springs}

{Concentric outer and inner 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}

{O-rings}

{hollow}

{slotted}

{slots ending in apertures, e.g. for avoiding stress concentration at the ends of the slots}

{Plurality of 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}

{Nested prosthetic parts}

{Pre-assembled implant modules}

{Sets comprising both primary and revision endoprostheses}
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

- 2002/30616: Sets comprising a plurality of prosthetic parts of different sizes or orientations
- 2002/30617: Visible markings for adjusting, locating or measuring
- 2002/30619: Wire rings
- 2002/30621: Features concerning the anatomical functioning or articulation of the prosthetic joint
- 2002/30622: Implant for fusing a joint or bone material
- 2002/30624: Hinged joint, e.g. with transverse axle restricting the movement
- 2002/30626: allowing only for single rotation
- 2002/30627: by means of cooperating stepped cylindrical surfaces
- 2002/30629: of the pin-guiding groove linkage type
- 2002/3063: having bearing bushes between the rotating parts
- 2002/30632: with rotation-limiting stops, e.g. projections or recesses
- 2002/30634: biaxial
- 2002/30635: Cardan or gimbal joints
- 2002/30637: Dual arrangement of two adjacent hinged joints
- 2002/30639: having rolling elements between both articulating surfaces
- 2002/3064: Ball bearings
- 2002/30642: having a single rolling (or sliding) ball articulating between two cups
- 2002/30644: Roller bearings
- 2002/30645: Needle bearings
- 2002/30647: Joints made of two toroidal rings engaged together
- 2002/30649: Ball-and-socket joints
- 2002/3065: Details of the ball-shaped head
- 2002/30652: Special cut-outs, e.g. flat or grooved cut-outs
- 2002/30654: Details of the concave socket
- 2002/30655: Non-spherical concave inner surface
- 2002/30657: made of different partially-spherical concave portions
- 2002/30658: having a central conforming area surrounded by a peripheral annular non-conforming area
- 2002/3066: having a central non-conforming area surrounded by a peripheral annular conforming area
- 2002/30662: with rotation-limiting means
- 2002/30663: multiaxial, e.g. biaxial; multipolar, e.g. bipolar or having an intermediate shell articulating between the ball and the socket
- 2002/30665: Dual arrangement of two adjacent ball-and-socket joints
- 2002/30667: Features concerning an interaction with the environment or a particular use of the prosthesis
- 2002/30668: Means for transferring electromagnetic energy to implants
- 2002/3067: for data transfer
- 2002/30672: temporary
- 2002/30673: Lubricating means, e.g. synovial fluid pressure
- 2002/30675: Means for regulating synovial fluid pressure
- 2002/30677: Means for introducing or releasing pharmaceutical products, e.g. antibiotics, into the body
- 2002/30678: Gene therapy
- 2002/3068: the pharmaceutical product being in a reservoir
- 2002/30682: Means for preventing migration of particles released by the joint, e.g. wear debris or cement particles
- 2002/30683: Means for collecting wear particles in a hollow cavity inside the prosthesis
- 2002/30685: Means for reducing or preventing the generation of wear particulates
- 2002/30686: Devices for removing particulate debris from prosthetic joints
- 2002/30688: Means for allowing passage or sliding of tendons or ligaments
- 2002/3069: Revision endoprostheses
- 2002/30691: Drainage means, e.g. for evacuating blood or other fluids
- 2002/30693: Air venting means
- 2002/30695: Sound-damping or noise-reducing means
- 2002/30696: Means for preventing the accidental forgetting of prosthetic parts inside the body during operation
- 2002/30698: Alarm means
- 2002/307: Prostheses for animals
- 2002/30701: for cats
- 2002/30703: for dogs
- 2002/30705: for horses
- 2002/30706: specially designed for children, e.g. having means for adjusting to their growth
- 2002/30708: Means for distinguishing between left-sided and right-sided devices, Sets comprising both left-sided and right-sided prosthetic parts
- 2002/3071: Identification means; Administration of patients
- 2002/30711: with bar code
- 2002/30713: colour-coded
- 2002/30714: coded with symbols, e.g. dots, numbers, letters, words
- 2002/30716: for single use, e.g. having means for preventing re-use
- 2002/30718: Means for protecting prosthetic parts, e.g. during operation
- 2002/30719: Means for cleaning prostheses
- 2/30721: Accessories
- 2/30723: Plugs or restrictors for sealing a cement-receiving space (tools for inserting plugs A61F 2/4614; sealing collars for use during cementing A61B 17/8808)
- 2/30724: Spacers for centering an implant in a bone cavity, e.g. in a cement-receiving cavity
- 2002/30726: Centering or guiding rods, e.g. for insertion of femoral shafts

- 2002/30724: Means for preventing the accidental forgetting of prosthetic parts inside the body during operation
- 2002/30708: Means for distinguishing between left-sided and right-sided devices, Sets comprising both left-sided and right-sided prosthetic parts
- 2002/3071: Identification means; Administration of patients
- 2002/30711: with bar code
- 2002/30713: colour-coded
- 2002/30714: coded with symbols, e.g. dots, numbers, letters, words
- 2002/30716: for single use, e.g. having means for preventing re-use
- 2002/30718: Means for protecting prosthetic parts, e.g. during operation
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- 2/30721: Accessories
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- 2002/30716: for single use, e.g. having means for preventing re-use
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- 2002/30719: Means for cleaning prostheses
- 2/30721: Accessories
- 2/30723: Plugs or restrictors for sealing a cement-receiving space (tools for inserting plugs A61F 2/4614; sealing collars for use during cementing A61B 17/8808)
- 2/30724: Spacers for centering an implant in a bone cavity, e.g. in a cement-receiving cavity
- 2002/30726: Centering or guiding rods, e.g. for insertion of femoral shafts
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/30728 . . . . . . [Collars; Bone edge protectors (A61F 2/30734 takes precedence; sealing collars for use during cementing A61B 17/8808)]
2002/30729 . . . . . . [Separate collars]
2002/30731 . . . . . . [Bone edge protectors]
2002/30733 . . . . . . [Inserts placed into an endoprosthetic cavity, e.g. for modifying a material property]
2002/30734 . . . . . . [Modular inserts, sleeves or augments, e.g. placed on proximal part of stem for fixation purposes or wedges for bridging a bone defect]
2002/30736 . . . . . . [Augments or augmentation pieces, e.g. wedges or blocks for bridging a bone defect]
2002/30738 . . . . . . [Sleeves]
2002/30739 . . . . . . [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)]
2002/30741 . . . . . . [for the lesser trochanter]
2002/30742 . . . . . . [Bellows or hose-like seals; Sealing membranes (A61B 17/8808 takes precedence; sealing membranes for retaining bone substitute A61F 2/2846)]
2002/30744 . . . . . . [End caps, e.g. for closing an endoprosthetic cavity]
2002/30746 . . . . . . [closable by a rotation different from screwing or bayonet coupling, e.g. about the cap central longitudinal axis]
2002/30747 . . . . . . [closable by translation]
2002/30749 . . . . . . [Fixation appliances for connecting prostheses to the body]
2002/30751 . . . . . . [for attaching cartilage scaffolds to underlying bone]
2002/30752 . . . . . . [by means of a bed of granular material]
2002/30754 . . . . . . [Implants for interposition between two natural articular surfaces]
2002/30756 . . . . . . [Cartilage endoprostheses (A61F 2/3603 takes precedence)]
2002/30757 . . . . . . [made of a sheet covering the natural articular surface, e.g. cap]
2002/30759 . . . . . . [Mosaicplasty, i.e. using a plurality of individual cartilage plugs for filling a substantial cartilage defect]
2002/30761 . . . . . . [Support means for artificial cartilage, e.g. cartilage defect covering membranes]
2002/30762 . . . . . . [Means for culturing cartilage]
2002/30764 . . . . . . [Cartilage harvest sites]
2002/30766 . . . . . . [Scaffolds for cartilage ingrowth and regeneration]
2002/30767 . . . . . . [Special external and/or bone-contacting surfaces, e.g. coating for improving bone ingrowth (materials for coating prostheses A61L 27/28)]
2002/30769 . . . . . . [madreporic]
2002/30771 . . . . . . [applied in original prostheses, e.g. holes, grooves (etching the surface A61F 2/30767)]
2002/30772 . . . . . . [Apertures or holes, e.g. of circular cross section]
2002/30774 . . . . . . [internally-threaded]
2002/30775 . . . . . . [with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread]
2002/30777 . . . . . . [Oblong apertures]
2002/30779 . . . . . . [arcuate]
2002/3078 . . . . . . [having an undulated contour, e.g. made of an undulated contour]
2002/30782 . . . . . . [inclined obliquely]
2002/30784 . . . . . . [Plurality of holes]
2002/30785 . . . . . . [parallel]
2002/30787 . . . . . . [inclined obliquely with respect to each other]
2002/30789 . . . . . . [perpendicular with respect to each other]
2002/3079 . . . . . . [Stepped or enlarged apertures, e.g. having discrete diameter changes]
2002/30792 . . . . . . [Dual tapered apertures]
2002/30794 . . . . . . [the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap]
2002/30795 . . . . . . [Blind bores, e.g. of circular cross-section]
2002/30797 . . . . . . [internally-threaded]
2002/30799 . . . . . . [with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread]
2002/308 . . . . . . [oblong]
2002/30802 . . . . . . [arcuate]
2002/30803 . . . . . . [inclined obliquely]
2002/30805 . . . . . . [Recesses of comparatively large area with respect to their low depth]
2002/30807 . . . . . . [Plurality of blind bores]
2002/30808 . . . . . . [parallel]
2002/3081 . . . . . . [inclined obliquely with respect to each other]
2002/30812 . . . . . . [perpendicular with respect to each other]
2002/30813 . . . . . . [Stepped or enlarged blind bores, e.g. having discrete diameter changes]
2002/30815 . . . . . . [the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap]
2002/30817 . . . . . . [Intersecting or overlapping blind bores]
2002/30818 . . . . . . [castellated or crenellated]
2002/3082 . . . . . . [Grooves]
2002/30822 . . . . . . [Circumferential grooves]
2002/30823 . . . . . . [having the shape of a reverse dovetail]
2002/30825 . . . . . . [arcuate]
2002/30827 . . . . . . [Plurality of grooves]
2002/30828 . . . . . . [parallel]
2002/3083 . . . . . . [inclined obliquely with respect to each other]
2002/30831 . . . . . . [perpendicular with respect to each other]
2002/30833 . . . . . . [with enlarged portion]
2002/30835 . . . . . . [for receiving and hiding a screw head or a nut]
2002/30836 . . . . . . [knurled]
2002/30838 . . . . . . [Macrostructures]
2002/3084 . . . . . . [Nanostructures]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/30841 . . . . . [Sharp anchoring protrusions for impaction into the bone, e.g. sharp pins, spikes]
2002/30843 . . . . . [Pyramidally-shaped]
2002/30845 . . . . . [with cutting edges]
2002/30846 . . . . . [circular]
2002/30848 . . . . . [straight]
2002/3085 . . . . . [with a threaded, e.g. self-tapping, bone-engaging surface, e.g. external surface]
2002/30851 . . . . . [Multiple threadings]
2002/30853 . . . . . [Double threadings]
2002/30855 . . . . . [Quadrapule or higher rank multiple threadings]
2002/30856 . . . . . [Triple threadings]
2002/30858 . . . . . [Threads interrupted by grooves or sidewalls, e.g. flat sidewalls]
2002/30859 . . . . . [having threaded portions of different pitches]
2002/30861 . . . . . [having threads of increasing or decreasing height]
2002/30863 . . . . . [the entry end surface having flutes, relief grooves, starter notches or bevelled indentations]
2002/30864 . . . . . [Microthreads]
2002/30866 . . . . . [Rounded threads]
2002/30868 . . . . . [Square, rectangular or rhomboidal threads]
2002/30869 . . . . . [Dovetail-shaped]
2002/30871 . . . . . [Trapezoidal threads]
2002/30873 . . . . . [Threadings machined on non-cylindrical external surfaces]
2002/30874 . . . . . [on conical, e.g. frustoconical, surfaces]
2002/30876 . . . . . [on spherical, e.g. hemispherical, surfaces]
2002/30878 . . . . . [with non-sharp protrusions, for instance contacting the bone for anchoring, e.g. keels, pegs, pins, posts, shanks, stems, struts]
2002/30879 . . . . . [Ribs]
2002/30881 . . . . . [Circumferential ribs]
2002/30883 . . . . . [dovetail-shaped]
2002/30884 . . . . . [Fins or wings, e.g. longitudinal wings for preventing rotation within the bone cavity]
2002/30886 . . . . . [externally-threaded]
2002/30887 . . . . . [with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread]
2002/30889 . . . . . [Arcuate pegs]
2002/30891 . . . . . [Plurality of protrusions]
2002/30892 . . . . . [parallel]
2002/30894 . . . . . [inclined obliquely with respect to each other]
2002/30896 . . . . . [perpendicular obliquely with respect to each other]
2002/30897 . . . . . [Stepped protrusions, i.e. having discrete diameter changes]
2002/30899 . . . . . [Protrusions pierced with apertures]
2002/30901 . . . . . [longitudinally]
2002/30902 . . . . . [laterally or radially]
2002/30904 . . . . . [serrated profile, i.e. saw-toothed]
2002/30906 . . . . . [shot- sand- or grit-blasted]

2/30907 . . . . . [Nets or sleeves applied to surface of prostheses or in cement]
2002/30909 . . . . . [Nets]
2002/30911 . . . . . [having a honeycomb structure]
2002/30912 . . . . . [made of expanded metal, e.g. diamond mesh or metal nets having lozenge-shaped apertures]
2002/30914 . . . . . [Details of the mesh structure, e.g. disposition of the woven warp and weft wires]
2002/30915 . . . . . [made of a stack of bonded perforated sheets, grids or wire meshes]
2002/30917 . . . . . [for avoiding direct contact between bone and implant, e.g. extensible membrane for preventing contamination or for easy removal]
2002/30919 . . . . . [Sleeves]
2002/3092 . . . . . [having an open-celled or open-pored structure]
2002/30922 . . . . . [Hardened surfaces]
2002/30924 . . . . . [by shot peening]
2002/30925 . . . . . [etched]
2002/30927 . . . . . [Electrolytic etching]
2002/30929 . . . . . [having at least two superposed coatings]
2002/3093 . . . . . [for promoting ingrowth of bone tissue]
2002/30932 . . . . . [for retarding or preventing ingrowth of bone tissue]
2002/30934 . . . . . [Special articulating surfaces]
2002/30935 . . . . . [Concave articulating surface composed of a central conforming area surrounded by a peripheral annular non-conforming area]
2002/30937 . . . . . [with cut-outs]
2002/30939 . . . . . [Means for modifying the geometry of articulating surfaces, e.g. for compensating excessive clearance caused by wear]
2/3094 . . . . . [Designing or manufacturing processes (not used, see subgroups)]
2/30942 . . . . . [for designing or making customized prostheses, e.g. using templates, CT or NMR scans, finite-element analysis or CAD-CAM techniques (computer-assisted sizing or machining of dental prostheses A61C 13/0004; CAD-CAM techniques per se G05B 19/4202)]
2002/30943 . . . . . [using mathematical models]
2002/30945 . . . . . [using geometrical models]
2002/30947 . . . . . [Fractal geometry]
2002/30948 . . . . . [using computerized tomography, i.e. CT scans]
2002/3095 . . . . . [using computerized axial tomography, i.e. CAT scans]
2002/30952 . . . . . [using CAD-CAM techniques or NC-techniques]
2002/30953 . . . . . [using a remote computer network, e.g. Internet]
2002/30955 . . . . . [using finite-element analysis]
2002/30957 . . . . . [using a positive or a negative model, e.g. moulds]
2002/30958 . . . . . [using lost patterns, e.g. lost wax]
2002/3096 . . . . . [trimmed or cut to a customised size]
2002/30962 . . . . . [using stereolithography]
2002/30963 . . . . . [using templates, e.g. grid charts]
[Reinforcing the prosthesis by embedding particles or fibres during moulding or dipping]

[Diffusion bonding]

[Sintering]

[using laser]

[Laminates, i.e. layered products]

[Two joined adjacent layers having complementary interlocking protrusions and recesses]

[made of two halves]

[using hydrojet]

[using electrical discharge machining [EDM]]

[using physical vapour deposition [PVD]]

[using chemical vapour deposition [CVD]]

[using electrostatic spray deposition [ESD]]

[using three dimensional printing [3DP]]

[using hot isostatic pressing [HIP]]

[for tempororo-mandibular [TM, TMJ] joints (endoprostheses for mandibular reconstruction A61F 2/2803)]

[Meridional components]

[Temporal components]

[for sacro-iliac joints]

[for sterno-clavicular joints]

[for acromio-clavicular joints]

[for the hip]

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]

[Split ring]

[Elastic or split ring, slidable from a first insertion position to a second locked position]

[Wire ring]

[Partial ring, i.e. not extending along the entire equatorial circumference]

[having two rings]

[for locking two concentric acetabular shells]

[with radial apertures, e.g. radial bores for receiving fixation screws]

[Polar aperture]

[internally-threaded]

[Oblique 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]

(having a bayonet coupling between an outer shell and a bearing insert)

(having a snap connection between two concentric shells]

(with pins or protrusions, e.g. non-sharp pins or protrusions projecting from a shell surface]

[Polar protrusion, e.g. for centering two concentric shells]

[externally-threaded]

[the outer shell having protrusions on meridian lines, e.g. equidistant fins or wings around the equatorial zone]

[Meridional ribs]

[the outer shell having circumferential protrusions parallel to the equatorial plane, e.g. circumferential fins or wings]

[Circumferential ribs]

[arranged in rows, the circumferential ribs covering only partially the outer shell surface, e.g. located in the equatorial zone]

[the outer shell having non-meridional protrusions, e.g. fins or wings, located in planes inclined or perpendicular with respect to the equatorial plane]

[Non-meridional ribs, e.g. parallel ribs, inclined or perpendicular with respect to the equatorial plane]

[with an integral peripheral collar or flange, e.g. oriented away from the shell centre line]

[partial, i.e. not extending along the entire equatorial circumference]

[having apertures for receiving fixation screws]

[with cut-outs, e.g. for allowing escape of excess bone cement]

[Peripheral lip, e.g. elastic lip]

[oriented inwardly towards the shell centre line]

[hollow, e.g. clearance between inner and outer shells]

[the inner shell having an inner hip femoral head-receiving cavity offset from its centre line]

[the outer shell having an outer surface and an inner insert receiving cavity being angularly inclined with respect to the longitudinal axis of the outer surface]

[with an anti-luxation elevated rim portion, e.g. on the inner shell]

[having a number of shells different from two]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/346 . . . . . . . . . . . . . {Single cups}
2002/3448 . . . . . . . . . . . . . {Multiple cups made of three or more concentric shells fitted or nested into one another}
2002/345 . . . . . . . . . . . . . (the inner and outer (hemi)spherical surfaces of a shell, e.g. an intermediate shell, having distinct centres of rotation, both located on the centre line of the shell)
2002/3451 . . . . . . . . . . . . . (with angular positioning means for selecting any one of a plurality of radial orientations between two concentric shells, e.g. at discrete positions)
2002/3453 . . . . . . . . . . . . . (having a non-hemispherical outer surface, e.g. quadric-shaped)
2002/3454 . . . . . . . . . . . . . {having an oblong, oval or elliptical cross-section in the equatorial plane}
2002/3456 . . . . . . . . . . . . . {ellipsoidal or having a flattened polar region}
2002/3458 . . . . . . . . . . . . . {having a flattened polar plane}
2002/3459 . . . . . . . . . . . . . {made of different partially-spherical portions}
2002/3461 . . . . . . . . . . . . . {having a lower equatorial peripheral spherical portion and an upper polar spherical portion, e.g. of differing radii or centres of rotation}
2002/3462 . . . . . . . . . . . . . {having a frustoconical external shape, e.g. entirely frustoconical}
2002/3464 . . . . . . . . . . . . . {partially frustoconical}
2002/3466 . . . . . . . . . . . . . {having a cylindrical external shape, e.g. entirely cylindrical}
2002/3467 . . . . . . . . . . . . . {partially cylindrical}
2002/3469 . . . . . . . . . . . . . {with non-radial inner bores or canals}
2002/347 . . . . . . . . . . . . . {with a slotted shell, e.g. outer shell having radial or meridian slots}
2002/3472 . . . . . . . . . . . . . {with one radial or meridian slot ending in a polar aperture}
2002/3474 . . . . . . . . . . . . . {slots ending in non-polar apertures}
2002/3475 . . . . . . . . . . . . . {horizontal slots, i.e. parallel to the equatorial plane}
2002/3477 . . . . . . . . . . . . . {arcuate slots}
2002/3479 . . . . . . . . . . . . . {Cage-like shells, e.g. hemispherical outer shells made of meridian strips or wires connected to an equatorial strip, rim or wire}
2002/348 . . . . . . . . . . . . . {Additional features}
2002/3482 . . . . . . . . . . . . . ['Two hemispherical halves having completely different structures']
2002/3483 . . . . . . . . . . . . . {having a convex shape, e.g. hemispherical heads}
2002/3485 . . . . . . . . . . . . . {Shells made of block segments linked by thin connecting strips}
2002/3487 . . . . . . . . . . . . . {Partial acetabular cups, e.g. strips replacing only partially the natural acetabular cartilage}
2002/3488 . . . . . . . . . . . . . {for allowing sliding or for preventing hurting of the psoas muscle}
2002/349 . . . . . . . . . . . . . {Shell having a wavy or undulated peripheral rim}
2002/3491 . . . . . . . . . . . . . {partial, i.e. not extending along the entire equatorial circumference}
2002/3493 . . . . . . . . . . . . . {Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees}

2002/3495 . . . . . . . . . . . . . {Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees}
2002/3496 . . . . . . . . . . . . . {having a non-spherical concave inner surface}
2002/3498 . . . . . . . . . . . . . {made of different partially-spherical concave portions}
2/36 . . . . . . . . . . . . . . . . . Femoral heads [{ Femoral endoprostheses]
2/3601 . . . . . . . . . . . . . . . {for replacing only the epiphyseal or metaphyseal parts of the femur, e.g. endoprosthetic femoral heads or necks directly fixed to the natural femur by internal fixation devices (non-prosthetic internal fixation devices for the femoral head or neck A61B 17/74)}
2/3603 . . . . . . . . . . . . . . . {implanted without ablation of the whole natural femoral head (endoprosthetic cartilage A61F 2/30756)}
2002/34605 . . . . . . . . . . . . . {made of two or more concentric caps fitted onto one another}
2/3607 . . . . . . . . . . . . . . . {including proximal or total replacement of the femur}
2/3609 . . . . . . . . . . . . . . . {Femoral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic femoral shafts (A61F 2/3601 takes precedence)}
2002/34611 . . . . . . . . . . . . . {Heads or epiphyseal parts of femur}
2002/34613 . . . . . . . . . . . . . {with lateral or oblique apertures, holes or openings}
2002/34615 . . . . . . . . . . . . . {having a concave shape, e.g. hemispherical cups}
2002/34617 . . . . . . . . . . . . . {with special cut-outs, e.g. flat cut-outs for inserting the head into a cooperating shell, in a given insertion position}
2002/34619 . . . . . . . . . . . . . {hollow}
2002/34621 . . . . . . . . . . . . . {pierced with a longitudinal bore}
2002/34623 . . . . . . . . . . . . . {Non-spherical heads}
2002/34625 . . . . . . . . . . . . . {Necks}
2002/34627 . . . . . . . . . . . . . {with lateral apertures, holes or openings}
2002/34629 . . . . . . . . . . . . . {inclined obliquely}
2002/34631 . . . . . . . . . . . . . {with an integral complete or partial peripheral collar or bearing shoulder at its base}
2002/34633 . . . . . . . . . . . . . {with an integral protrusion extending distally under the collar}
2002/34635 . . . . . . . . . . . . . {having a separate element placed under the collar}
2002/34637 . . . . . . . . . . . . . {with an angled portion, e.g. oriented towards the lesser trochanter}
2002/34639 . . . . . . . . . . . . . {with cut-outs}
2002/34641 . . . . . . . . . . . . . {pierced with apertures perpendicular to the collar longitudinal axis}
2002/34643 . . . . . . . . . . . . . {pierced with apertures parallel or oblique with respect to the collar longitudinal axis}
2002/34645 . . . . . . . . . . . . . {hollow}
2002/34647 . . . . . . . . . . . . . {pierced with a longitudinal bore}
2002/34649 . . . . . . . . . . . . . {offset from the neck central longitudinal axis}
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/365 . . . . . . [Connections of heads to necks]
2002/3652 . . . . . . [Connections of necks to shafts]
2002/3654 . . . . . . [Connections of heads directly to shafts]
2002/3656 . . . . . . [with angular positioning means for selecting any one of a plurality of radial orientations, e.g. at discrete positions]
2002/3658 . . . . . . [Two angular positions, e.g. located at 180 degrees intervals]
2002/366 . . . . . . [at continuous positions]
2/3662 . . . . . . [Femoral shafts]
2002/3664 . . . . . . [with non-sharp protrusions]
2002/3666 . . . . . . [Circumferential flanges or fins]
2002/3668 . . . . . . [Longitudinal fins or wings, e.g. for preventing rotation within the intramedullary bone cavity]
2/367 . . . . . . [Proximal or metaphyseal parts of shafts (trochanteric devices connected to said proximal parts A61F 2/30739)]
2/3672 . . . . . . [Intermediate parts of shafts]
2002/3674 . . . . . . [Connections of proximal parts to distal parts]
2/3676 . . . . . . [Distal or diaphyseal parts of shafts]
2002/3678 . . . . . . [Geometrical features]
2002/368 . . . . . . [with lateral apertures, bores, holes or openings, e.g. for reducing the mass, for receiving fixation screws or for communicating with the inside of a hollow shaft]
2002/3682 . . . . . . [Oblong apertures]
2002/3684 . . . . . . [inclined obliquely with respect to the shaft longitudinal axis, e.g. along the neck axis]
2002/3686 . . . . . . [bent]
2002/3688 . . . . . . [with opposite proximal and distal curvatures, i.e. S-shaped shaft]
2002/369 . . . . . . [Stepped shaft, i.e. having discrete diameter changes]
2002/3692 . . . . . . [hollow]
2002/3694 . . . . . . [with longitudinal bores]
2002/3696 . . . . . . [sloted]
2002/3698 . . . . . . [twisted about the longitudinal axis of the shaft]
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]
2002/3809 . . . . . . [for radio-humeral joints]
2002/3813 . . . . . . [for ulno-humeral joints]
2002/3818 . . . . . . [for proximal radio-ulnar joints, i.e. PRU joints]
2002/3822 . . . . . . [Humeral components]
2002/3827 . . . . . . [Radial components]
2002/3831 . . . . . . [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]
2002/3863 . . . . . . [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]
2002/3881 . . . . . . [with moving parts]
2/3886 . . . . . . [for stabilising knees against anterior or lateral dislocations]
2/389 . . . . . . [Tibial components (A61F 2/3868 takes precedence)]
2002/3895 . . . . . . [uncompartmental]
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

1/4003 . . . . . . [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)]
2002/4007 . . . . . . [implanted without ablation of the whole natural humeral head]
2002/4011 . . . . . . [including proximal or total replacement of the humerus]
2/4014 . . . . . . [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]
2002/4025 . . . . . . [hollow]
2002/4029 . . . . . . [Necks]
2002/4033 . . . . . . [with an integral complete or partial peripheral collar at its base]
2002/4037 . . . . . . [Connections of heads to necks]
2002/404 . . . . . . [with a clearance between proximal end of neck and inner end of head]
2002/4044 . . . . . . [Connections of necks to shafts]
2002/4048 . . . . . . [with an inner clearance between both parts]
2002/4051 . . . . . . [Connections of heads directly to shafts]
2002/4055 . . . . . . [with an inner clearance between both parts]
2002/4059 . . . . . . [Humeral shafts]
2002/4062 . . . . . . [Proximal or metaphyseal parts of shafts]
2002/4066 . . . . . . [for replacement or reinforcement of the greater tubercle]
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]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

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]
2002/423 . . . . [for big or great toes]
2002/4233 . . . . [for metatarso-phalangeal joints, i.e. MTP joints]
2002/4235 . . . . [for big or great toes]
2002/4238 . . . . [for tarso-metatarsal joints, i.e. TMT joints]
2/4241 . . . . [for hands, e.g. fingers]
2002/4243 . . . . [for interphalangeal joints, i.e. IP joints]
2002/4246 . . . . [for distal interphalangeal joints, i.e. DIP joints]
2002/4248 . . . . [for proximal interphalangeal joints, i.e. PIP 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 trapezo-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 . . . . [Trapezoid]
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 . . . . [Pisiform 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]
2/4455 . . . . [Intervertebral disc tissue harvest sites]
2002/445 . . . . [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]
2002/4475 . . . . [hollow]
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 therefor
2/4601 . . . . [for introducing bone substitute, for implanting bone graft implants or for compacting them in the bone cavity (for introducing bone cement A61B 17/8805)]
2002/4602 . . . . [for compacting]
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 temporomandibular joints]
2/4618 . . . . [of cartilage]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

A61F

2002/4619 . . . . . . [for extraction]
2002/462 . . . . . . [of broken endoprosthetic joint parts]
2002/4622 . . . . . . [having the shape of a forceps or a clamp]
2002/4623 . . . . . . [having a handle portion, e.g. integral with the implanting tool]
2002/4624 . . . . . . [releasable from the implanting tool]
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]
2002/4636 . . . . . . [through the hip femoral neck]
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]
2002/464 . . . . . . [of end caps for closing a prosthetic cavity]
2002/4641 . . . . . . [for disconnecting]
2002/4642 . . . . . . [for inserting or connecting a locking mechanism]
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]
2002/4651 . . . . . . [Electric or electromagnetic heating]
2002/4653 . . . . . . [using cooling means]
2002/4654 . . . . . . [Cryogenic cooling]
2002/4655 . . . . . . [for introducing lubricating fluid]
2/4657 . . . . . . [Measuring instruments used for implanting artificial joints (for surgical instruments A61B 9/006)]
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 conicities]
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]
2002/467 . . . . . . [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 endoprostheses 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]
2002/4679 . . . . . . [having quick release means]
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]
2002/4697 . . . . . . [visual]
2002/4698 . . . . . . [magnetic]
2002/468 . . . . . . [Operating or control means]
2002/4681 . . . . . . [acoustic or audible]
2002/4682 . . . . . . [electrical]

WARNING

Group A61F 2002/482 is incomplete pending reclassification of documents from group A61B 50/04888.
Groups A61B 50/04888 and A61F 2002/482 should be considered in order to perform a complete search.

2002/484 . . . . . . [fluid]
2002/485 . . . . . . [hydraulic]
2002/487 . . . . . . [pneumatic]
2002/488 . . . . . . [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 2/0004)]
2002/5001 . . . . . . [Cosmetic coverings]
2002/5003 . . . . . . [having damping means, e.g. shock absorbers (for implantable joints A61F 2002/30563)]
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 2002/3007; springs A61F 2002/5072; plate-like springs for feet A61F 2002/6657)]
2002/5009 . . . . . . [having two or more elastomeric blocks]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

- [having an inflatable pocket filled with fluid, i.e. liquid or gas (A61F 2/602, A61F 2002/74, A61F 2/7843) take precedence; for lubrication A61F 2002/5086]

- [having two or more inflatable pockets]

- [filled with particles (for joints A61F 2002/30588)]

- [hardenable fluid, e.g. curable in-situ or cold-hardening casting substance]

- [adjustable (for implantable prostheses A61F 2002/30537)]

- [for adjusting angular orientation]

- [for adjusting length (for implantable joints A61F 2002/3055)]

- [for adjusting a position by translation along an axis]

- [along two perpendicular axes]

- [for adjusting thickness]

- [for adjusting a diameter]

- [for adjusting cross-section]

- [for adjusting weight or mass]

- [for adjusting elasticity, flexibility, spring rate or mechanical tension]

- [for adjusting fluid pressure (inflatable pockets A61F 2002/501, A61F 2/602, A61F 2/7843; fluid operating or control means A61F 2002/74)]

- [for adjusting damping (damping means A61F 2002/5003)]

- [for adjusting volume flow]

- [self-adjustable, e.g. self-learning]

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

- [allowing only for single rotation]

- [having bearing bushes between the rotating parts]

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

- [Designing or manufacturing processes (not used, see subgroup)]

- [Designing or making customized prostheses, e.g. using templates, finite-element analysis or CAD-CAM techniques]

- [using mathematical models (A61F 2002/505 takes precedence)]

- [Computer aided shaping, e.g. rapid prototyping]

- [using CAD-CAM techniques or NC-techniques]

- [Direct moulding or reforming to the stump]

- [using a positive or a negative model, e.g. casting model or mould]

- [Reinforcing prostheses by embedding particles or fibres during moulding or dipping, e.g. carbon fibre composites]

- [Laminates, i.e. layerd products]

- [having means for restoring the perception of senses]

- [the feeling of position]

- [the sense of touch]

- [the feeling of temperature, i.e. of warmth or cold]

- [for reducing pain from phantom limbs]

- [Muscles (implantable A61F 2002/0894)]

- [having rolling elements between articulating surfaces (for implantable joints A61F 2002/30639)]

- [Ball bearings]

- [Roller bearings]

- [having spring elements (spring-biased locking means A61F 2002/30505; for implantable joints A61F 2002/30565; other elastic means A61F 2002/5007)]

- [Helical springs, e.g. having at least one helical spring]

- [Multiple springs systems including two or more helical springs]

- [Concentric outer and inner helical springs]

- [2-D spiral springs]

- [Leaf springs (A61F 2002/6657 takes precedence)]

- [Additional features (for implantable joints A61F 2002/30535)]

- [modular]

- [telescopic (adjusting length A61F 2002/502)]

- [Lubricating means]

- [Sound-damping or noise-reducing means]

- [waterproof]

- [specially designed for children, e.g. having means for adjusting to their growth (implantable A61F 2250/0082)]

- [Identification means (for implantable prostheses A61F 2250/0085)]

- [Tendon- or ligament-replacing cables (implantable A61F 208)]

- [for Achilles tendons]

- [Ball-and-socket joints (for implantable joints A61F 2002/30649)]

- [with rotation-limiting means]

- Mammary prostheses (brasieres A41C 3/00)

- [Multiple breast forms made of several concentric breast-shaped layers nested into one another]

- [Nipples]

- [Artificial arms or hands or parts thereof]

- [Lower arms or forearms]

- [Upper arms]

- Elbows; Wrists ; Other joints; Hands

- [Shoulder joints]

- [Elbow joints]

- [Hands; Wrist joints]

- [Wrist joints]

- [Fingers]

- [Thumbs]

- [Hands having holding devices shaped differently from human fingers, e.g. claws, hooks, tubes]

- [Artificial legs or feet or parts thereof]

- [Peg legs, e.g. wooden legs]

- [with air cushions (A61F 2/7843 takes precedence)]

- [Joints for artificial legs (A61F 2/605, A61F 2/64, A61F 2/6607 take precedence)]

- [Hip joints]

- [Lower legs]
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/608 . . . . . . . . . . . . [Upper legs]
2/64 . . . . . . Knee joints
2/642 . . . . . . [Polycentric joints, without longitudinal rotation]
2/644 . . . . . . {of the single-bar or multi-bar linkage type}
2/646 . . . . . . {of the pin-guiding groove linkage type}
2/68 . . . . . . Operating or control means

**WARNING**

Group A61F 2/68 is impacted by reclassification into group A61F 2/70.

Groups A61F 2/68 and A61F 2/70 should be considered in order to perform a complete search.

2002/6809 . . . . . . . . . [acoustic]
2002/6818 . . . . . . [for braking]
2002/6827 . . . . . . [Feedback system for providing user sensation, e.g. by force, contact or position]
2002/6836 . . . . . . [Gears specially adapted therefor, e.g. reduction gears]
2002/6845 . . . . . . [Clutches]
2002/6854 . . . . . . [for locking or unlocking a joint]
2002/6863 . . . . . . [magnetic (magnetic prosthetic parts A61F 2002/3079)]
2002/6872 . . . . . . [attached and mechanically operated by remaining muscle (bioelectrical control A61F 2/72)]
2002/6881 . . . . . . [optical]
2002/689 . . . . . . [Alarm means, e.g. acoustic]
2/70 . . . . . . electrical

**WARNING**

Group A61F 2/70 is incomplete pending reclassification of documents from group A61F 2/68.

Groups A61F 2/70 and A61F 2/68 should be considered in order to perform a complete search.

2002/701 . . . . . . . . . . . . {operated by electrically controlled means, e.g. solenoids or torque motors}
2002/702 . . . . . . [Battery-charging stations]
2002/704 . . . . . . [computer-controlled, e.g. robotic control]

2002/705 . . . . . . . . . . . . [Electromagnetic data transfer (for implantable prostheses A61F 2250/0002)]
2002/707 . . . . . . [Remote control]
2002/708 . . . . . . [electrically self charging]
2/72 . . . . . . Bioelectrical control, e.g. myoelectric

**WARNING**

Group A61F 2/72 is incomplete pending reclassification of documents from group A61B 5/04888.

Groups A61B 5/04888 and A61F 2/72 should be considered in order to perform a complete search.

2002/74 . . . . . . . . . . . . {fluid, i.e. hydraulic or pneumatic (inflatable pocket filled with fluid A61F 2002/5011)}
2002/741 . . . . . . . . . . . . [using powered actuators, e.g. stepper motors or solenoids]
2002/742 . . . . . . . . . . . . [Low pressure systems, e.g. vacuum pump]
2002/744 . . . . . . . . . . . . [Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons]
2002/745 . . . . . . . . . . . . [hydraulic]
2002/747 . . . . . . . . . . . . [pneumatic]
2002/748 . . . . . . . . . . . . [Valve systems]
2/76 . . . . . . Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing, {e.g. alignment means}
2002/7605 . . . . . . . . . . . . {for assembling by heating (for implanting artificial joints A61F 2002/4653)}
2002/761 . . . . . . . . . . . . {for assembling by cooling (for implanting artificial joints A61F 2002/4653)}
2002/7615 . . . . . . . . . . . . {Measuring means (for implanting artificial joints A61F 2/4657)}
2002/762 . . . . . . . . . . . . {for measuring dimensions, e.g. a distance}
2002/7625 . . . . . . . . . . . . {for measuring angular position}
2002/763 . . . . . . . . . . . . {for measuring spatial position, e.g. global positioning system [GPS]}
2002/7635 . . . . . . . . . . . . {for measuring force, pressure or mechanical tension}
2002/764 . . . . . . . . . . . . {for measuring acceleration}
2002/7645 . . . . . . . . . . . . {for measuring torque, e.g. hinge or turning moment, moment of force}
2002/765 . . . . . . . . . . . . {for measuring time or frequency}
2002/7655 . . . . . . . . . . . . {for measuring fluid pressure}
2002/766 . . . . . . . . . . . . {for measuring moisture}
2002/7665 . . . . . . . . . . . . {for measuring temperatures}
2002/767 . . . . . . . . . . . . {for measuring blood pressure}
2002/7675 . . . . . . . . . . . . {for measuring oxygen content}
2002/768 . . . . . . . . . . . . {for measuring battery status}
2002/7685 . . . . . . . . . . . . {located on natural or sound-site limbs, e.g. comparison measuring means}
2002/769 . . . . . . . . . . . . {Displaying measured values}
2002/7695 . . . . . . . . . . . . {Means for testing non-implantable prostheses (for testing implantable prostheses A61F 2240/0008; for implanting artificial joints A61F 2/4683)}
2/78 . . . . . . Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump
2002/7806 . . . . . . . . . . . . [using adhesive means (for connecting prosthetic parts A61F 2002/30448)]
2/7812 . . . . . . Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2002/7818 . . . . [Stockings or socks for the limb stump (cosmetic coverings A61F 2002/3059)]
2002/7825 . . . . [Devices for putting-on or pulling-off stockings]
2002/7831 . . . . (with a rope for pulling the sock inside the socket)
2002/7837 . . . . [Sleeves for attaching or protecting, i.e. open ended hoses]
2/7843 . . . . [Inflatable bladders]
2002/785 . . . . [Pads, e.g. relief pads]
2002/7856 . . . . [having finger loops or grips]
2002/7862 . . . . [Harnesses, straps (for connecting prosthetic parts A61F 2002/30464)]
2002/7868 . . . . [Means for putting-on or pulling-off prostheses]
2002/7875 . . . . [with releasable ratchets or pegs (snap connections A61F 2002/305; pushing a peg into a hole A61F 2002/3038)]
2002/7881 . . . . [using hook and loop-type fasteners (for connecting prosthetic parts A61F 2002/30467)]
2002/7887 . . . . [for connecting limb exoprostheses to the stump bone]
2002/7893 . . . . [using slide fasteners, e.g. zippers]
2/80 . . . . [Sockets, e.g. of suction type]
2002/802 . . . . [Suction sockets, i.e. utilizing differential air pressure to retain the prosthesis on the stump]
2002/805 . . . . [having an an air valve]
2002/807 . . . . [having a vacuum reservoir chamber]
2/82 . 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 2004; stent-grafts for blood vessels A61F 2007; instruments specially adapted for placement or removal of stents or stent-grafts A61F 2005; for closing wounds, or holding wounds closed A61B 17/04 - A61B 17/115; dilators A61M 29000)]
2002/821 . . . . [Ostial stents]
2002/823 . . . . [Stents, different from stent-grafts, adapted to cover an aneurysm]
2002/825 . . . . [having longitudinal struts]
2002/826 . . . . [more than one stent being applied sequentially]
2002/828 . . . . [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
2002/8483 . . . . [Barbs]
2002/8486 . . . . [provided on at least one of the ends]
2/852 . . . . Two or more distinct overlapping stents
2/856 . . . . Single tubular stent with a side portal passage
2/86 . . . . 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
2002/91508 . . . . [the meander having a difference in amplitude along the band]
2002/91516 . . . . [the meander having a change in frequency along the band]
2002/91525 . . . . [within the whole structure different bands showing different meander characteristics, e.g. frequency or amplitude]
2002/91533 . . . . [characterised by the phase between adjacent bands]
2002/91541 . . . . [Adjacent bands are arranged out of phase]
2002/9155 . . . . [Adjacent bands being connected to each other]
2002/91558 . . . . [connected peak to peak]
2002/91566 . . . . [connected trough to trough]
2002/91575 . . . . [connected peak to trough]
2002/91583 . . . . [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]
2002/91591 . . . . [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
2/95 . . . . hardenable, e.g. stents formed in situ
2002/9505 . . . . [Instruments specially adapted for placement or removal of stents or stent-grafts]
2002/9511 . . . . [the retaining means being filaments or wires]
2002/9517 . . . . [handle assemblies therefor]
2002/9522 . . . . [Means for mounting a stent onto the placement instrument]
2002/9528 . . . . [for retrieval of stents]
2002/9534 . . . . [for repositioning of stents]
2/954 . . . . for placing stents or stent-grafts in bifurcation
2/958 . . . . Inflatable balloons for placing stents or stent-grafts
2002/9583 . . . . [Means for holding the stent on the balloon, e.g. using protrusions, adhesives or an outer sleeve]
2002/9586 . . . . [the means being inside the balloon]
2/962 . . . . having an outer sleeve
2/966 . . . . with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod
2002/9665 . . . . [with additional retaining means]
2/97 . . . . the outer sleeve being splittable
Lengthening pieces for natural legs

Methods or devices enabling invalids to operate an apparatus or a device not forming part of the body (operating or control means for prostheses A61F 2/08; serving devices for one-handed persons A47G 21/08)

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 17/50; Nursing devices; [Anti-rape devices] (bandages, dressings or absorbent pads A61F 13/00))

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)

[Diet or mouth appliances]
[External belts]
[Implantable devices or invasive measures]
[comprising measuring means]
[for sensing mechanical parameters]
[for sensing chemical parameters]
[Anti-eating devices using electrical stimulation]
[Inflatable]
[with more than one chamber]
[ Intragastrical devices]
[remotely adjustable]
[using injection ports]
[wireless means]
[ Gastric bands]
[remotely adjustable]
[using injection ports]
[wireless means]
[wrapping the stomach]
[Closing devices for gastric bands]
[in the wall of the stomach]
[in the abdominal cavity, e.g. not attached to the stomach]
[preventing normal digestion, e.g. Bariatric or gastric sleeves]
[Pyloric or esophageal obstructions]
[Reducing the size of the stomach, e.g. gastroplasty (surgical interventions A61B 17/00)]
[using clamps, folding means or the like]
[ Instruments for placement or removal]
[Rectal devices, e.g. for the treatment of haemorrhoids]
[Anti-rape devices, e.g. splints, casts or braces]
[specially adapted for correcting deformities of the limbs or for supporting them; Orthoses, e.g. with articulations]
[without articulation]
[for the knees]
[Sleeve-like structures]
[for the feet or ankles]
[Drop-foot appliances]

[for connecting the feet to each other or to fixed surroundings (A61F 5/0193 takes precedence)]
[for the arms, hands or fingers]
[inflatable]
[for the knees (A61F 5/0106 takes precedence)]
[the device articulating around a single pivot-point]
[for the feet (A61F 5/0111 takes precedence)]
[for the arms, hands or fingers (A61F 5/0118 takes precedence)]
[Additional features of the articulation]
[with two orthogonal pivots]
[with two parallel pivots]
[geared]
[with more than two parallel pivots]
[Multibar]
[combining rotational and sliding movements, e.g. simulating movements of a natural joint]
[Floating pivotal axis]
[combining rotational and torsional movements]
[combining rotational and stretching movements]
[with actuating means]
[with locking means]
[in standing position]
[when weight is applied]
[with limits of movement]
[adjustable]
[with damping means]
[cushions]
[laterally placed]
[supporting the patella]
[with spring means]
[Protectors for articulations]
[Hip protectors, e.g. for elderly people]
[Thumb protectors]
[having pressure sensors]
[Toe correcting or spreading devices]
[Apparatus specially adapted for treating hip dislocation; Abduction splints]
[Shoe-like orthopaedic devices for protecting the feet against injuries after operations]
[with spring means]
[Orthopaedic corsets (arm-rests for use as writing aids B43L 15/00)]
[consisting of one or more shells]
[having pressure pads connected in a frame for reduction or correction of the curvature of the spine]
[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 5/032)]
[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))

5/0585 . . . . . . . {for the legs (toe correcting devices A61F 5/019)}

5/05858 . . . . . . . {for the arms (restraining devices, e.g. slings A61F 5/37)}

5/05866 . . . . . . . {for wrists, hands, fingers or thumbs}

5/05875 . . . . . . . {for fingers}

5/05883 . . . . . . . {for the neck or head (A61F 5/05816, A61F 5/05833 take precedence; cervical supports A61F 5/055)}

5/05891 . . . . . . . {for the head, e.g. jaws, nose (nose correcting A61F 5/08)}

5/08 . . . Devices for correcting deformities of the nose ; {Devices for enlarging the nostril, e.g. for breathing improvement}

5/10 . . . Devices for correcting deformities of the fingers

5/11 . . . Devices for correcting deformities of the nails

5/14 . . . Special medical insertions for shoes for flat-feet, club-feet, or the like (ordinary arch supports A43B 7/14)

5/24 . . . Trusses

5/26 . . . with belt springs

5/28 . . . Supports for trusses

5/30 . . . Pressure-pads (corn-pads, corn-rings A61F 13/06; tourniquets A61B 17(132))

5/32 . . . Adjustable pressure pads

5/34 . . . Pressure pads filled with air or liquid (valves specially adapted for medical use A61M 39/00; connection of valves to inflatable elastic bodies B60C 29/00; valves per se F16K)

5/37 . . . Restraining devices for the body or for body parts {, e.g. slings}; Restraining shirts ( {handcuffs E05B 75/00})

5/3707 . . . . . . . {for the head (cervical supports A61F 5/055; splints A61F 5/05883)}

5/3715 . . . . . . . {for attaching the limbs to other parts of the body}

5/3723 . . . . . . . {for the arms}

5/373 . . . . . . . {for restricting the movement of the arm at the elbow}
A61F


5/453 . . . for collecting urine or other discharge from male member (A61F 6/04 takes precedence [; devices for taking sperm samples A61B 10/0058])

5/455 . . . for collecting urine or discharge from female member

5/4553 . . . [placed in the vagina, e.g. for catamenial use (pessaries A61F 6/08; absorbent cups A61F 13/2045)]

5/4556 . . . [Portable urination aids, e.g. to allow females to urinate from a standing position]

5/48 . . Devices for preventing wetting or pollution of the bed

5/485 . . . [Absorbent protective pads (mattress underlays A47C 21/06; bed linen A47G 9/02)]

5/50 . . Devices for preventing finger-sucking

5/56 . . Devices for preventing snoring (by influencing the respiratory system by gas treatment A61M 16/00)

2005/563 . . . [Anti-bruxism]

5/566 . . . [Intra-oral devices]

5/58 . . Apparatus for correcting stammering or stuttering

6/00 Contraceptive devices; Pessaries; Applicators therefor (chemical aspects of contraception A61K)

6/005 . . . [Packages or dispensers for contraceptive devices]

6/02 . . . for use by males (A61F 6/20 takes precedence)

6/04 . . . Condoms, sheaths or the like [; e.g. combined with devices protecting against contagion]

2006/041 . . . [combined with a protective garment, e.g. underpants or mask]

2006/042 . . . [covering the mouth, e.g. oral condom]

2006/043 . . . [with more than one barrier]

2006/044 . . . [with absorbent material]

2006/045 . . . [with closing devices at the open end]

2006/046 . . . [for closing after use]

2006/047 . . . [with holding means]

2006/048 . . . [with surface protuberances]

2006/049 . . . [with strips to apply the condom]

6/06 . . . for use by females (A61F 6/20 takes precedence)

6/065 . . . [Condom-like devices worn by females]

6/08 . . . Pessaries, i.e. devices worn in the vagina to support the uterus, remedy a malposition or prevent conception [; e.g. combined with devices protecting against contagion]

6/12 . . . Inserters or removers

6/14 . . . intra-uterine type

6/142 . . . [Wirelike structures, e.g. loops, rings, spirals]

6/144 . . . [with T-configuration]

6/146 . . . [Occluders for the cervical canal (occluding by internal devices A61B 17/12022; dilators A61M 29/00)]

6/148 . . . [with sheet-like structure]

6/16 . . . inflatable

6/18 . . . Inserters or removers [; Apparatus for loading an intra-uterine device into an insertion tube]

6/20 . . . Vas deferens occluders; Fallopian occluders

6/202 . . . [Means specially adapted for ligaturing, compressing or clamping of oviduct or vas deferens (of tubular organs in general A61B 17/12)]

6/204 . . . [Clamp applying devices]

6/206 . . . [Clamps (ligaturing clamps or clips A61B 17/1222)]

6/208 . . . [Implants for ligaturing]

6/22 . . . implantable in tubes [occluding by internal devices A61B 17/1222)]

6/225 . . . [transcervical]

6/24 . . . characterised by valve means

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)

2007/0001 . . . [Body part]

2007/0002 . . . [Head or parts thereof]

2007/0003 . . . [Face]

2007/0004 . . . [Eyes or part of the face surrounding the eyes]

2007/0005 . . . [Ears]

2007/0006 . . . [Nose]

2007/0007 . . . [Forehead, e.g. headbands]

2007/0008 . . . [Scalp]

2007/0009 . . . [Throat or neck]

2007/001 . . . [Throat only]

2007/0011 . . . [Neck only]

2007/0012 . . . [with means for support of the head]

2007/0013 . . . [Jaw]

2007/0014 . . . [Chin]

2007/0015 . . . [Cheeks]

2007/0017 . . . [Mouth]

2007/0018 . . . [Trunk or parts thereof]

2007/0019 . . . [Breast]

2007/002 . . . [Heart]

2007/0021 . . . [Female breast]

2007/0022 . . . [Abdomen]

2007/0023 . . . [Waist]

2007/0024 . . . [Back]

2007/0025 . . . [Higher part of back]

2007/0026 . . . [Middle part of back]

2007/0027 . . . [Lower part of back]

2007/0028 . . . [Rectum]

2007/0029 . . . [Arm or parts thereof]

2007/003 . . . [Shoulder]

2007/0031 . . . [Upper arm]

2007/0032 . . . [Elbow]

2007/0034 . . . [Lower arm]

2007/0035 . . . [Wrist]

2007/0036 . . . [Hand]

2007/0037 . . . [Finger]

2007/0038 . . . [Thumb]

2007/0039 . . . [Leg or parts thereof]

2007/004 . . . [Hip]

2007/0041 . . . [Upper leg]

2007/0042 . . . [Knee]

2007/0043 . . . [Lower leg, calf]

2007/0044 . . . [Ankle]

2007/0045 . . . [Foot]
cooling Compresses or poultices for effecting heating or
for therapy }
{ ways of manufacturing heating or cooling devices
( warming mats A61F 7/08 } 
{ Blankets with active heating or cooling sources
with, or also with, a substance other than air }
{ using a Peltier element, e.g. near the spot to be
evaporating on the spot to be cooled }
{ using a resistor, e.g. near the spot to be heated }
{ remote from the spot to be heated }
{ using a solar cell }
{ Devices for generating hot or cold treatment
fluids }
{ [Toe] }
{ [Sole] }
{ [Genitals] }
{ [female] }
{ [Stumps after amputation] }
{ for treatment of skin or hair }
{ with a closed fluid circuit, e.g. hot water }
{ [using breath] }
{ [the gas being steam or water vapour] }
{ [of gas] }
{ [Causing evaporation]
with return means }
{ [characterised by electric heating] }
{ [using a resistor, e.g. near the spot to be heated] }
{ [remote from the spot to be heated] }
{ [thermostat] }
{ [PTC] }
{ [using a Peltier element, e.g. near the spot to be
heated or cooled] }
{ [remote from the spot to be heated or cooled] }
{ [Details of power supply] }
{ [with a battery] }
{ [connectable to car battery] }
{ [with a separate, portable battery pack] }
{ [Low voltage, e.g. using transformer] }
{ [D.C. (A61F 2007/0078 takes precedence)] }
{ [using a solar cell] }
{ [hook and loop-type fastener] }
{ [connected to or incorporated in clothing or
garments (A61F 2007/0078 takes precedence)] }
{ [for the upper part of the trunk, e.g. bodice] }
{ [for the lower part of the trunk, e.g. panty] }
{ [in a pocket (A61F 2007/0078 takes precedence)] }
{ [using vacuum] }
{ [Apparatus for the preparation of hot packs, hot
compresses, cooling pads, e.g. heaters or
refrigerators] }
{ [heated by microwaves] }
{ [with layers] }
{ [with a layer having high heat transfer
capability] }
{ [Using a substance with high conductivity] }
{ [with a layer having low heat transfer
capability] }
{ [retaining air or other gas] }
{ [in closed compartments] }
{ [using a substance with low conductivity
(A61F 2007/0078 takes precedence)] }
{ [with a reflective layer] }
{ [with a fluid impermeable layer] }
{ [with a fluid permeable layer] }
{ [with a fluid absorbing layer] }
{ [medicated] }
{ [made of a substance with therapeutic action,
e.g. copper or silver] }
{ [antiallergic] }
{ [without external heat source, i.e. using one's own
body heat (A61F 2007/0061 takes precedence)] }
{ [having a plurality of compartments being filled
with a heat carrier (heat packs stored in pockets
A61F 2007/0023, A61F 2007/0023)] }
{ [with separable compartments, e.g.
reconnectable] }
{ [Permanently separable compartments, e.g.
with rupturable portions] }
{ [with openings in the walls between the
compartments serving as passageways for the
filler (flowing in circuits A61F 2007/0054,
A61F 2007/0059)] }

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2007/0046 . . . . . . [Toe]
2007/0047 . . . . . . [Sole]
2007/0048 . . . . . . [Genitals]
2007/0049 . . . . . . [female]
2007/0051 . . . . . . [Stumps after amputation]
2007/0052 . . . . . . [for treatment of skin or hair]
7/0053 . . . . . . [Cabin, rooms, chairs or units for treatment with a
hot or cold circulating fluid]
2007/0054 . . . . . . [with a closed fluid circuit, e.g. hot water]
2007/0055 . . . . . . [of gas, e.g. hot air or steam]
2007/0056 . . . . . . [for cooling]
2007/0057 . . . . . . [of gas, e.g. air or carbon dioxide]
2007/0058 . . . . . . [evaporating on or near the spot to be cooled]
2007/0059 . . . . . . [with an open fluid circuit]
2007/0060 . . . . . . [of gas]
2007/0061 . . . . . . [Using breath]
2007/0062 . . . . . . [the gas being steam or water vapour]
2007/0063 . . . . . . [for cooling]
2007/0064 . . . . . . [of gas]
2007/0065 . . . . . . [Causing evaporation]
2007/0066 . . . . . . [of sweat]
2007/0068 . . . . . . [evaporating on the spot to be cooled]
2007/0069 . . . . . . [with return means]
7/007 . . . . . . [characterised by electric heating]
2007/0071 . . . . . . [using a resistor, e.g. near the spot to be heated]
2007/0072 . . . . . . [remote from the spot to be heated]
2007/0073 . . . . . . [thermostat]
2007/0074 . . . . . . [PTC]
2007/0075 . . . . . . [using a Peltier element, e.g. near the spot to be
heated or cooled]
2007/0076 . . . . . . [remote from the spot to be heated or cooled]
2007/0077 . . . . . . [Details of power supply]
2007/0078 . . . . . . [with a battery]
2007/0079 . . . . . . [connectable to car battery]
2007/0080 . . . . . . [with a separate, portable battery pack]
2007/0081 . . . . . . [Low voltage, e.g. using transformer]
2007/0082 . . . . . . [D.C. (A61F 2007/0078 takes precedence)]
2007/0084 . . . . . . [using a solar cell]
7/0085 . . . . . . [Devices for generating hot or cold treatment
fluids]
2007/0086 . . . . . . [with a thermostat]
2007/0087 . . . . . . [Hand-held applicators]
2007/0088 . . . . . . [Radiating heat]
2007/0089 . . . . . . [Chemotherapy developing heat]
2007/0090 . . . . . . [with a varying magnetic field acting upon the
human body, e.g. an implant therein]
2007/0091 . . . . . . [inflatable]
2007/0092 . . . . . . [with, or also with, a substance other than air]
2007/0093 . . . . . . [programmed]
2007/0094 . . . . . . [using a remote control]
2007/0095 . . . . . . [with a temperature indicator]
2007/0096 . . . . . . [with a thermometer]
7/0097 . . . . . . [Blankets with active heating or cooling sources
(warming mats A61F 7/08)]
2007/0098 . . . . . . [ways of manufacturing heating or cooling devices
for therapy]
7/02 . . . . . . [Compresses or poultices for effecting heating or
cooling]
2007/0201 . . . . . . [shaped as a doll]
2007/0203 . . . . . . [Cataplasms, poultices or compresses,
characterised by their contents; Bags therefor]
Devices for heating or cooling internal body cavities

Cooling bags, e.g. ice-bags

Warming pads, pans or mats (A61F 7/02 takes precedence) ; Hot-water bottles

{ triggers, activators or catalysts therefor } { using a flexible balloon containing the thermal refrigerator or freezing compartment } { self-cooling, e.g. using a chemical reaction } { refillable }

{ phase change of materials, e.g. of super-cooled solutions } { using latent heat produced or absorbed during operation } { for heating or cooling use at more than one temperature }

{ intervals of heating alternated with intervals of cooling } { with a section for heating and a section for cooling }

Thermophore, i.e. self-heating, e.g. using a chemical reaction

[using oxygen from the air, e.g. pocket-stoves] [flameless]

[carbon or charcoal, e.g. active]

[with an outlets tube, e.g. for enema or irrigation]

[for cooling organs in the body before or during surgery] [refillable]

[Closures specially adapted for icebags or packs] [self-cooling, e.g. using a chemical reaction]

[Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment]

[Devices for heating or cooling internal body cavities] [using a flexible balloon containing the thermal element]

{ for invasive application, e.g. for introducing into blood vessels }

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

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 1/06; 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 31/00; devices for the eyes A61H 5/00; eye baths A61H 35/02; sunglasses or goggles having the same features as spectacles G02C)

{ introducing ophthalmic products into the ocular cavity or retaining products therein (putting in contact lenses A61F 9/0061; introducing or retaining media in cavities of the body in general A61M 31/00) } { implantable, in or in contact with, the eye, e.g. ocular inserts } { ophthalmic product dispenser attachments to facilitate positioning near the eye } { devices for immobilising a patient's head with respect to the instrument } { by supporting the instrument on the patient's head, e.g. head bands } { [the instrument being supported on the patient's eye] } { devices for putting-in contact lenses } { methods or devices for eye surgery } { instruments for removing foreign bodies (for removal of intra-ocular material A61F 9/00736) } { restoration of lid function } { apparatus for retinal reattachment } { instruments for removal of intra-ocular material or intra-ocular injection, e.g. cataract instruments (A61M 9/008 takes precedence) } { [using mechanical vibrations, e.g. ultrasonic] } { [for cutting or perforating the anterior lens capsule, e.g. capsulotomes] } { [with rotating or reciprocating cutting elements, e.g. concentric cutting needles (atherectomy cutting instruments A61B 17/320016; endoscopic cutting instruments A61B 17/320016) ] } { [apparatus for restoration of tear ducts] } { [apparatus for modifying intraocular pressure, e.g. for glaucoma treatment (drainage implants in general A61M 27/002)] } { [using non-laser electromagnetic radiation, e.g. non-coherent light or microwaves] } { using laser } { [for photoablation] } { [refractive treatments] } { [correction of higher orders] } { [inducing higher orders, e.g. for correction of presbyopia] } { [transplantation] } { [inlays; onlays; intraocular lenses [IOL]] } { [laser features or special beam parameters therefor] } { [beam shaping with masks] }
Treatment or protection of the eyes or ears; Substitution by other senses

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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]
2009/00889 . . . . [Capsulotomy]
2009/00891 . . . . [Glaucoma]
2009/00893 . . . . [Keratoconus]
2009/00895 . . . . [Presbyopia]
2009/00897 . . . . [Scanning mechanisms or algorithms]

9/09 . . . . Auxiliary devices making contact with the eyeball and coupling in laser light, e.g. goniolenses (apparatus for eye examination A61B 3/0008)

9/013 . . . . [Instruments] for compensation of ocular refraction (A61F 9/008 takes precedence) ; Instruments for use in cornea removal, for reshaping or performing incisions in the cornea]

9/0133 . . . . [Knives or scalpels specially adapted therefor]
9/0136 . . . . [Mechanical markers]
9/02 . . . . Goggles ([breathing masks A62B 18/00; swimming goggles A63B 33/002; diving masks B63C 11/12])

2009/021 . . . . [Goggles with prescription spectacle lenses]
9/022 . . . . [Use of special optical filters, e.g. multiple layers, filters for protection against laser light or light from nuclear explosions, screens with different filter properties on different parts of the screen; Rotating slit-discs (optical filters per se G02B 5/20)]

9/023 . . . . [with variable transmission, e.g. photochromic (for welding A61F 9/067)]
9/024 . . . . [Rotating discs with slits, e.g. stroboscopes]
9/025 . . . . [Special attachment of screens, e.g. hinged, removable; Roll-up protective layers]
9/026 . . . . [Paddings; Cushions; Fittings to the face]
9/027 . . . . [Straps; Buckles; Attachment of headbands]
9/028 . . . . [Ventilation means]
9/029 . . . . [Additional functions or features, e.g. protection for other parts of the face such as ears, nose or mouth; Screen wipers or cleaning devices]

9/04 . . . . Eye-masks ; Devices to be worn on the face, not intended for looking through; Eye-pads for sunbathing (eye-bandages A61F 13/12; protective face-masks A41D 13/11; protectors for shampooing A45D)
9/045 . . . . [Eye-shades or visors; Shields beside, between or below the eyes (caps with means for protecting the eyes A42B 1/06)]
9/06 . . . . Masks, shields or hoods for welders (safety devices for welding in general F16P 1/00)
9/061 . . . . [with movable shutters, e.g. filter discs; Actuating means therefor]
9/062 . . . . [with movable polarising filter discs]
9/064 . . . . [with two windows, one for viewing and one for use during the welding process]
9/065 . . . . [use of particular optical filters (A61F 9/022, A61F 9/062 take precedence)]
9/067 . . . . [with variable transmission]
9/068 . . . . [with supply or suction of gas, air or smoke inside or outside the welding hood]
9/08 . . . . Devices or methods enabling eye-patients to replace direct visual perception by another kind of perception

11/00 Methods or devices for treatment of the ears, e.g. surgical; Protective devices for the ears, carried on the body or in the hand; [Non-electric hearing aids]

11/002 . . . . [Surgical middle ear ventilation or drainage, e.g. permanent; Implants therefor (drainage implants in general A61M 27/002)]
11/004 . . . . [Ear surgery (A61F 9/002 takes precedence)]
11/006 . . . . [Ear cleaners, e.g. curettes (cotton tips A61F 13/38; cleaning by suction A61M 1/0023, by irrigation A61M 3/02)]

11/008 . . . . [Non-electric hearing aids, e.g. ear trumpets, sound amplifiers, ear-shells (non-electric sound-amplifying devices in general G10K 11/08; sound-focusing or directing using reflection in general G10K 11/28)]

11/04 . . . . Devices or methods enabling ear patients to replace direct auditory perception by another kind of perception [elecronic stimulation of auditory nerves A61N 1/36036]
11/045 . . . . [using mechanical stimulation of nerves (acting directly on the ear H04R 25/000)]
11/06 . . . . Protective devices for the ears
11/08 . . . . internal, e.g. earplugs

2011/085 . . . . [including an inner channel]
11/10 . . . . inflatable or expandable
11/12 . . . . External mounting means
Treatments or protection of the eyes or ears; Substitution by other senses

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11/14 . . . external, e.g. earcaps or earmuffs (headwear, e.g. caps or helmets, with means for protecting the ears A42B 1/06, A42B 3/16; [for hairdresser's rooms A45D 44/12; for sports A63B 71/10; headphones H04R 1/10])

NOTE

{Group A61F 11/14 contains only acoustic protection (other external protectors, see A61F 11/08)}

2011/145 . . . [electric, e.g. for active noise reduction]

**Bandages, dressings or absorbent pads: First-aid kits**

13/00 Bandages or dressings (suspensory bandages A61F 5/40; contact-avoiding wound protectors A61F 15/009; bandages or dressings with incorporated medicaments A61L 15/44, A61M 35/006; radioactive dressings A61N 5/1029);

Absorbent pads (chemical aspects of, or use of materials for, bandages, dressings or absorbent pads A61L 15/00; [absorbent pads for tracheostomy A61M 16/047])

13/00004 . . . [Non-adhesive dressings]

13/00008 . . . [characterized by the material]

13/00012 . . . [being made of natural material, e.g. cellulose-, protein-, collagen-based]

13/00017 . . . [synthetic, e.g. polymer based]

13/00021 . . . [characterized by the structure of the dressing]

13/00025 . . . [made of a single layer]

13/00029 . . . [made of multiple layers]

13/00034 . . . [characterized by a property]

13/00038 . . . [Flexibility, stretchability or elasticity]

13/00042 . . . [Absorbency]

13/00046 . . . [Air-vapor permeability]

13/00051 . . . [Accessories for dressings]

13/00055 . . . [Saturation indicators]

13/00059 . . . [provided with visual effects, e.g. printed or colored]

13/00063 . . . [comprising medicaments or additives, e.g. odor control, PH control, debriding, antimicrobial (drug delivery dressings A61K 9/70; chemical aspect of the additives A61L 15/009)]

13/00068 . . . [specially adapted for application or removal of fluid, e.g. irrigation or drainage of wounds, under-pressure wound-therapy (A61F 13/0216 takes precedence; drainage appliances for wounds in general A61M 27/00)]

13/00072 . . . [Packaging of dressings]

13/00076 . . . [Packaging of adhesive dressings]

13/0008 . . . [having means for facilitating the removal of the packaging and release liner]

13/00085 . . . [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 15/005)]

2013/00089 . . . [Wound bandages (A61F 2013/00361 takes precedence:)]

2013/00093 . . . [tubular]

2013/00097 . . . [net structure]

2013/00102 . . . [oblong]

2013/00106 . . . [emergency bandages, e.g. for first aid]

2013/00111 . . . [spray]

2013/00014 . . . [with check valve, e.g. for traumatic pneumothorax]

2013/00019 . . . [elastic]

2013/00023 . . . [with elastic indicator]

2013/00027 . . . [fixation means]

2013/00031 . . . [elasticity distribution]

2013/00036 . . . [anisotropy]

2013/0004 . . . [non-linearity]

2013/00044 . . . [transversal distribution]

2013/00048 . . . [longitudinal distribution]

2013/00053 . . . [coloured or with decoration pattern or printing]

2013/00057 . . . [for burns or skin transplants (A61F 2013/00187 takes precedence; not adhering to the wound A61F 2013/00217)]

2013/00061 . . . [with wax, e.g. petroleum or bees-; treated with lubricants A61F 2013/00331)]

2013/00065 . . . [not touching the wound]

2013/00064 . . . [stabilisation]

2013/00067 . . . [possibility of applying fluid]

2013/00074 . . . [possibility of applying pressure]

2013/00078 . . . [hand-held CO2 cylinder, e.g. sparklet]

2013/00082 . . . [with transparent part]

2013/00087 . . . [insulating; warmth or cold applying]

2013/00091 . . . [cooled by evaporation]

2013/00095 . . . [electric warmer]

2013/00099 . . . [with temperature control]

2013/00204 . . . [insulating]

2013/00208 . . . [by a high viscosity, low conductivity liquid]

2013/00212 . . . [infra-red 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 (absorbent structures with superabsorbent materials, e.g. SAM K61F13/15D7)]

2013/00234 . . . [metallic layer (metallic underlayers K61F13/15E2)]

2013/00238 . . . [characterised by way of knitting or weaving]

2013/00242 . . . [to avoid 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 (air permeability of absorbent structures K61F13/15D10; underlayers impervious to fluids but not for air or vapours K61F13/15E1A; fibrous underlayers impervious to fluids end open for air K61F13/15E3A)]

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]
Bandages, dressings or absorbent pads; First-aid kits

A61F

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 2013/00272; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/00272; prophylaxis A61F 2013/00272)]
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 2013/00227; lubricant top layers A61F 2013/00227)]
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 2013/00272; not adhering to the wound A61F 2013/00272; lubricant top layers A61F 2013/00272)]
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 faying (A61F 2013/00242 takes precedence)]
2013/00353 . . . [for red nails, in-grown nails or felon (inflamed digits )]
2013/00357 . . . [implanted wound fillings or covers (membranes for covering bone defects A61F 2013/00242)]
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 2013/00272)]
2013/00382 . . . . [reconstructing the body shape (prosthetic device A61F 2013/00272)]
2013/00387 . . . . [skin protection (protection of the body or articulation A61F 2013/00272; safety barrier for protection of the operator A61F 2013/00272; for protection of suture stitches A61F 2013/00272; protection of wound surround A61F 2013/00272)]
2013/00391 . . . . [from irradiation, e.g. sun]
2013/00395 . . . . [from skin abrasion]
2013/004 . . . . [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 2013/00272; with adhesive connecting means A61F 2013/00272; adhesives for plasters A61F 2013/00272; with absorbent adhesives A61F 2013/00272; with permeable adhesive layers A61F 2013/00272; different adhesion of different adhesive layers A61F 2013/00272; changing the adhesion force with strain value A61F 2013/00272;)
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 2013/00272; skin protection A61F 2013/00272; protection of wound surround A61F 2013/00272)]
2013/00459 . . . . [with cyano-acrylic adhesive (adhesives for mucosa A61F 2013/00272; or for use on wounds A61F 2013/00272)]
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 felon A61F 2013/00272)]
2013/00485 . . . . . [treating of athlete's foot]
2013/00489 . . . . . [for bracing or strapping]
2013/00493 . . . . . [torno]
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 2013/00272)]
2013/00523 . . . . . [with hydrogel (wound bandages with alginate A61F 2013/00272; adhesive for plasters; with hydrogel A61F 2013/00272; water-based A61F 2013/00272; for use on mucosa A61F 2013/00272; for use on wounds A61F 2013/00272; wound humidity control with hydrocolloids or superabsorbers A61F 2013/00272; with absorbent adhesives A61F 2013/00272; with fumed silica A61F 2013/00272; with viscoelastic oil-elastomer gel A61F 2013/00272)]]
2013/00527 . . . . . [artificial skin]
2013/00531 . . . . . [for exfoliation (enzymes therefor A61F 2013/00272)]
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 2013/00272)]
2013/00553 . . . . . [with detachable parts]
2013/00557 . . . . . [detachable absorbent pad]
Bandages, dressings or absorbent pads; First-aid kits

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 2013/00902)]

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]

2013/006 . . . . [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; with absorbent adhesives A61F 2013/00757; with fumed silica A61F 2013/00787; with viscoelastic oil-elastomer gel A61F 2013/00893)]

2013/00693 . . . . [oil-based]

2013/00697 . . . . [elastomer-, e.g. rubber-based]

2013/00702 . . . . [silicon-based]

2013/00706 . . . . [basis weight]

2013/00707 . . . . [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]

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 mucosae 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 adhesive 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 fumed silica A61F 2013/00787; with viscoelastic oil-elastomer gel A61F 2013/00893; 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)]

2013/00808 . . . . [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 2013/00452)]

2013/00829 . . . . [rigid or semi-rigid backing]

2013/00834 . . . . [as a frame]
Bandages, dressings or absorbent pads; First-aid kits

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 . . . [permeous 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 2013/00697; hydrogel-based adhesives for plasters 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-microbic]
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 . . . [anallergic or hypoallergic 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]

13/002 . . . Adhesive plasters or dressings (A61F 13/06 - A61F 13/15 take precedence; {for diagnosis, e.g. allergy test patches, A61B 10/0035; surgical adhesives or cements A61L 24/00; {for transdermal drug administration A61M 35/00})
13/00203 . . . {having a fluid handling member]
13/00206 . . . [the fluid handling member being absorbent fibrous layer, e.g. woven or nonwoven absorbent pad, island dressings]
13/00209 . . . [comprising superabsorbent material]
13/00213 . . . [the fluid handling member being a layer of hydrocolloid, gel forming material]
13/00216 . . . [the fluid handling member being non absorbent, e.g. for use with sub- or over-pressure therapy, wound drainage or wound irrigation systems]
13/0022 . . . [having more than one layer with different fluid handling characteristics]
13/00223 . . . [characterized by parametric properties of the fluid handling layer, e.g. absorbency, wicking capacity, liquid distribution]
13/00226 . . . [characterised by the support layer]
13/0023 . . . [wound covering film layers without a fluid handling layer]
13/00233 . . . [characterised by the occlusive layer skin contacting layer]
13/00236 . . . [characterised by the application/handling support layer]
13/0024 . . . [the application or handling support layer being removable]
13/00243 . . . [characterised by the properties of the skin contacting layer, e.g. air-vapor permeability]
13/00246 . . . [characterised by the skin adhering layer]
13/0025 . . . [having a special distribution arrangement of the adhesive]
13/00253 . . . [characterized by the adhesive material]
13/00256 . . . [characterized by the parametric properties of the adhesive]
13/00259 . . . [characterised by the release liner covering the skin adhering layer]
13/00263 . . . [especially adapted for island dressings]
13/00266 . . . [especially adapted for wound covering/occlusive dressings]
13/00269 . . . [Tapes for dressing attachment (for stoma bags A61F 5/443; for nappies or sanitary towels A61F 13/58; wound closure tapes A61B 17/085; for surgical drapes A61B 46/00; attaching catheters A61M 25/02)]
13/00273 . . . [Adhesive bandages for winding around limb, trunk or head, e.g. cohesive]
13/00276 . . . [Apparatus or processes for manufacturing adhesive dressings or bandages]
13/00279 . . . [by attaching individual patches on moving webs]
13/00283 . . . [for making adhesive or cohesive tape or fabrics therefor, e.g. coating or mechanical treatments]
13/00286 . . . [manufacturing of non adhesive dressings]
13/00289 . . . [manufacturing of adhesive dressings]
13/00293 . . . [manufacturing of plaster of Paris]
2013/00296 . . . [for making transdermal patches (chemical processes excluded)]
13/004 . . . Plaster of Paris bandages; Other stiffening bandages (A61F 13/06 - A61F 13/15 take precedence)
13/06 . . . specially adapted for feet or legs; Corn-pads; Corn-rings
13/061 . . . [for knees (incorporating non-textile reinforcing elements, e.g. springs or stays, A61F 5/0111; Patella supports)]
13/062 . . . [Openable readjustable]
13/063 . . . [Corn-pads; Corn-rings]
13/064 . . . [for feet (incorporating non-textile reinforcing elements, e.g. springs or stays A61F 5/0111; corn-pads, corn-rings A61F 13/063)]
13/065 . . . [Looped bandages around the forefoot (A61F 13/068 takes precedence)]
13/066 . . . [for the ankle]
13/067 . . . [for the sole of the foot (rigid shoe insertions for supporting the sole A61F 5/14)]
13/068 . . . [for the toes (toe correcting or spreading devices A61F 5/019)]
13/069 . . . [Decubitus ulcer bandages]
13/08 . . . Elastic stockings; for contracting aneurisms
13/085 . . . [Openable readjustable]
13/10 . . . specially adapted for fingers, hands, or arms; Finger-stalls; Nail-protectors (restraining devices for arms A61F 5/57; shoulder bandages A61F 13/14)
13/101 . . . [for the elbow, e.g. decubitus ulcer bandages (A61F 13/107 takes precedence)]
13/102 . . . [Openable readjustable]
13/104 . . . [for the hands or fingers (A61F 13/107 takes precedence)]
13/105 . . . [for the fingers; Finger-stalls; Nail-protectors (devices for correcting deformities of the nails A61F 5/11)]
13/107 . . . [for wrist support (incorporating non-textile reinforcing elements, e.g. springs or metal braces A61F 5/0110); Compression devices for tennis elbow (epicondylitis)]
13/108 . . . [Openable readjustable]
13/12 . . . specially adapted for the head or neck
13/122 . . . [specially adapted for the face]
13/124 . . . [specially adapted for the eyes]
13/126 . . . [specially adapted for the nose]
13/128 . . . [specially adapted for the neck]
13/14 . . . specially adapted for the breast or abdomen (corsets or bandages for support of breast or abdomen A61F 5/03)
13/141 . . . [Milk breast pads]
13/143 . . . [Thorax bandages or bandaging garments]
13/145 . . . [specially adapted for the female anatomy]
13/146 . . . [Shoulder bandages or bandaging garments]
13/148 . . . [Abdomen bandages or bandaging garments]
13/15 . . . Absorbent pads, e.g. sanitary towels, swabs or tampons for external or internal application to the body (non-absorbent catamenial receptacles A61F); Supporting or fastening means therefor; Tampon applicators
13/15008 . . . [characterized by the use]
13/15016 . . . [for breast; pads for bras]
13/15024 . . . [for protecting the body against ulcers]
13/15032 . . . [as umbilical bandage]
13/1504 . . . [for avoiding contact with umbilical region]
13/15048 . . . [for protection against contamination, or protection in using body disinfesting wipes]
13/15056 . . . [for the protection for furniture, e.g. car seats, chairs, beds]
13/15065 . . . [for protecting in contaminated ambience, e.g. NBC or industrial chemicals]
13/15073 . . . [as drapes]
13/15081 . . . [as prophylaxis]
13/15089 . . . [as facial prophylaxis]
13/15097 . . . [as genital prophylaxis]
13/15105 . . . [as contraceptive, e.g. condom]
13/15113 . . . [for haemorrhoids]
13/15121 . . . [for mild incontinence]
13/1513 . . . [for anal discharge]
13/15138 . . . [for flatus, i.e. gas]
13/15146 . . . [for urine collection]
13/15154 . . . [for hospitalised patients]
13/15162 . . . [for jaundice phototherapy, i.e. UV light-permeable or transparent materials]
13/1517 . . . [for peripneum, i.e. after childbirth]
13/15178 . . . [for prevention and therapy of hip dysplasia or subluxation]
13/15186 . . . [for animals]
13/15195 . . . [as swimwear]
Bandages, dressings or absorbent pads; First-aid kits

Apparatus or processes for manufacturing

Basis weight

Bulk thickness

Density

(with a density gradient in the horizontal plane)

(with a density gradient in the vertical plane)

(Fibre dimension, e.g. denier or tex)

(Volume-to-fibre surface area ratio)

(Absorbency)

(Total capacity)

(Drip capacity)

(Capillary properties, e.g. wicking)

(pore dimension)

(with a porosity gradient in the vertical or horizontal plane)

(with specific hydrophilicity)

(with specific diffusion velocity)

(with specific capillary or osmotic pressure)

(with a capillarity gradient in the vertical or horizontal plane)

(Permeability)

(Air permeability)

(Water permeability)

(Adhesivity)

{Apparatus or processes for manufacturing}

{of babies' napkins, e.g. diapers}

{having elastic ribbons fixed thereto; Devices for applying the ribbons}

{the ribbons being applied transversely to the direction of the movement of the webs the diapers are being made of}

{the ribbons being applied in an irregular path}

{Making absorbent pads from fibres or pulverulent material with or without treatment of the fibres}

{Making fibrous pads without outer layers}

{Making fibrous pads between sheets or webs}

(by depositing continuous layers or pads of fibrous material on single sheets or webs)

(by depositing continuous layers of fibrous material between webs, e.g. wrapping layers of fibrous material)

(Forming continuous, e.g. composite, fibrous webs, e.g. involving the application of pulverulent material on parts thereof)

(Wrapping formed fibrous webs or pads, e.g. the pads being formed by uniting pad pieces cut from fibrous webs)

(by wrapping webs or pads between webs moving in their longitudinal direction)

(by folding webs, moving in their longitudinal direction, around webs or pads)

(by inserting webs or pads in a tube or a netting, e.g. involving forming of the tube or netting)

[Forming webs by bringing together several webs, e.g. by laminating or folding several webs, with or without additional treatment of the webs]

[Mechanical treatment, e.g. notching, twisting, compressing, shaping]

[Shaping or making outer layers]

[Partitioning batts; Cutting]

[Treating webs, e.g. for giving them a fibrelike appearance, e.g. by embossing]

[Sealing, e.g. involving cutting]

[Folding; Pleating; Coiling; Stacking; Packaging]

[Applying tabs, strips, tapes, loops; Knotting the ends of pads]

[Transferring, feeding or handling devices; Drives]

[Control]

[via optical means associated to computer coordinator]

[of the presence of the article or components]

[of the alignment or position of article or components]

[Plant, e.g. involving several steps]

[with modular lines]

[characterized by the apparatus for manufacturing]

[using a specific computer algorithm for programming the apparatus]

[for bonding]

[with ultrasonic energy]

[by thermal bonding]

[by spot bonding]

[by infra-red radiation]

[with specific parameters, e.g. temperature, pressure]

[via adhesive]

[for die cutting]

[for vacuum forming]

[for making non-woven]

[by air-laid technique]

[by wet-laid technique]

[by spunbond technique]

[by meltblown technique]

[by non-bonded and deformable technique]

[by hydroentangled technique]

[in making composite multi-layered product]

[Sanitary towels; Means for supporting or fastening them]

[Tampons, e.g. catamenial tampons; Accessories therefor]

[characterised by the use]

[specially adapted for the nose cavity]

[specially adapted for the oral cavity]

[specially adapted for anal cavity]

[for endoscopic procedures]
Bandages, dressings or absorbent pads; First-aid kits

A61F

13/17 . . . . [specially adapted for the ear cavity]
13/202 . . . . [Catamenial tampons
 (A61F 13/2022- 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 persee 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]
2013/423 . . . . [the alarm being a volume change or a movement of a component]
2013/424 . . . . [having an electronic device]
2013/425 . . . . [being also a toilet training aid]
2013/426 . . . . [Moisture sensitive polymers]
2013/427 . . . . [pH indicator]
2013/428 . . . . [for articles with superabsorbent materials]
2013/429 . . . . [Thermochromic materials, e.g. ink or dye]
13/44 . . . . [with radio-opaque material or signalling means for residual material]
13/45 . . . . [characterised by the shape (cup-shaped tampons A61F 13/2045)]
2013/4506 . . . . [special configurations using catheter or tube]
2013/4512 . . . . [folded in special shape during use (A61F 13/534, A61F 13/551, A61F 13/56, A61F 13/5747 take precedence)]
2013/4518 . . . . [formed from two separated panels]
2013/4525 . . . . [by front and rear joined laterally at the crotch]
2013/4531 . . . . [by lateral panels joined at the centreline, i.e. along the longitudinal axis]
2013/4537 . . . . [with aeration ducts (with hose-like, tubular sealing barriers A61F 13/49723)]
2013/4543 . . . . [with a special transverse section (A61F 13/534 takes precedence)]
2013/455 . . . . [having a "W" shape]
2013/4556 . . . . [having a "M" shape]
2013/4562 . . . . [cup-shaped]
2013/4568 . . . . [three-dimensional; with split absorbent core]
2013/4575 . . . . [connected by elastic means]
2013/4581 . . . . [with absorbent core in separated pieces]
2013/4587 . . . . [with channels or deep spot depressions on the upper surface (A61F 13/4704 and A61F 13/49001 take precedence)]
2013/4593 . . . . [allowing introduction of medical instruments without removing the absorbent article]
13/47 . . . . Sanitary towels, incontinence pads or napkins (A61F 13/49 takes precedence)
13/4702 . . . . [having a reinforcing member]
13/4704 . . . . [having preferential bending zones, e.g. fold lines or grooves]
2013/4706 . . . . [enlarged in the anal area]
2013/4708 . . . . [Panty-liner]
13/471 . . . . [specially adapted for male use]
13/472 . . . . [specially adapted for female use (A61F 13/474, A61F 13/475, A61F 13/476 take precedence)]
13/47209 . . . . [having only interlabial part, i.e. with no extralabial parts]
13/47218 . . . . [with a raised crotch region, e.g. hump]
13/47227 . . . . [for interlabial use]
13/47236 . . . . [characterised by an unusual contour]
13/47245 . . . . [with asymmetry around the x or y axis]
13/47254 . . . . [with a tanga shape]
Bandages, dressings or absorbent pads; First-aid kits

13/47263 . . . . . . {with activating means, e.g. elastic, heat or chemical activatable means}
13/47272 . . . . . . {with a longitudinal raised end, e.g. cup-shaped gluteal groove (for edge leakage prevention A61F 13/4941)}
2013/47281 . . . . . . {with internal collecting device}
2013/4729 . . . . . . {combining catamemial pad and tampon}
13/474 . . . . . . adjustable
13/475 . . . . . . characterised by edge leakage prevention means
13/4751 . . . . . . {the means preventing fluid flow in a transversal direction}
13/4752 . . . . . . {the means being an upstanding barrier}
13/4753 . . . . . . {the barrier being not integral with the topsheet or backsheet}
13/4755 . . . . . . {the means being a flat barrier on or inside the absorbent article, e.g. backsheet wrapped around the edges}
13/4756 . . . . . . {the means consisting of grooves, e.g. channels, depressions or embossments, resulting in a heterogeneous surface level}
13/4757 . . . . . . {the means being located outside the perimeter of the absorbent core (A61F 13/4725 takes precedence)}
13/4758 . . . . . . {the means preventing fluid flow in a longitudinal direction}
13/476 . . . . . . characterised by encircling the crotch region of the undergarment
13/49 . . . . . . Absorbent articles specially adapted to be worn around the waist, e.g. diapers
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}
13/49022 . . . . . . {being elastomeric sheet}
13/49023 . . . . . . {being textured, e.g. corrugated}
13/49025 . . . . . . {having multiple elastic strands}
13/49026 . . . . . . {with variable spacing}
13/49028 . . . . . . {with different tensile stress}
13/4903 . . . . . . {being a net}
13/49031 . . . . . . {being elastic in longitudinal direction}
13/49033 . . . . . . {being elastic in transversal direction}
13/49034 . . . . . . {being elastic in both the transversal and longitudinal direction}
13/49036 . . . . . . {having a inelastic zone by deactivating the elastic property}
13/49038 . . . . . . {the elastic means is located all around the absorbent article's perimeter}
13/49039 . . . . . . {the elastic means is located around the target zone}
13/49041 . . . . . . {having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019}
13/49042 . . . . . . {with only stretchable part, i.e. part being not elastic but only extensible with not a full recovery of its original length}
13/49044 . . . . . . {being stretchable non-elastic panels, (A61F 13/4902 takes precedence)}
13/49046 . . . . . . {at the crotch}
13/49047 . . . . . . {at the ears}
13/49049 . . . . . . {on the hips}
13/4905 . . . . . . {at the waist}
13/49052 . . . . . . {having a specific direction of stretchability}
13/49053 . . . . . . {being stretchable in the longitudinal direction or machine direction, i.e. longitudinal}
13/49055 . . . . . . {being stretchable in transversal direction or cross machine direction}
13/49057 . . . . . . {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}
13/49063 . . . . . . {the diaper having decoupled components}
13/49065 . . . . . . {being joined by a transverse line}
13/49066 . . . . . . {being joined by an area of low stiffness}
13/49068 . . . . . . {characterized by the shape of the outline}
13/49069 . . . . . . {being rectangular, i.e. parallelepiped}
13/49071 . . . . . . {being triangular}
13/49073 . . . . . . {being trapezoidal}
13/49074 . . . . . . {as "T"-shaped}
13/49076 . . . . . . {as "T"-shaped}
13/49077 . . . . . . {as backbone-shape}
13/49079 . . . . . . {concave}
13/4908 . . . . . . {being a complex shape not covered by the other groups A61F 13/49068-A61F 13/4908}
13/49084 . . . . . . {conformable}
13/49085 . . . . . . {with a multiplicity of rounded, i.e. spherical elements}
13/49087 . . . . . . {having breakable lateral stitches or panels}
13/49088 . . . . . . {characterized by the leg opening}
13/4909 . . . . . . {being asymmetric leg opennings}
13/49092 . . . . . . {comprising leg cuffs}
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13/49093. . . . . . (having multiple barriers)
13/49095. . . . . . (Being formed by lateral seethes)
13/49096. . . . . . with braces
13/49098. . . . . . [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
13/4951. . . . . . (with internal barriers)
13/4953. . . . . . (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 management 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 13/20, A61F 13/49003) 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)
13/5051. . . . . . characterised by the outer layers ((wicking or transfer layers A61F 13/537))
13/50616. . . . . . (followed by a distension heat treatment)
13/5019. . . . . . (being cellulosic material)
13/5021. . . . . . (being chemically modified)
13/5023. . . . . . (being polymeric fibres)
13/5026. . . . . . (being in thermoplastic material)
13/5028. . . . . . (being bicomponent)
13/503. . . . . . (being hydrophobic)
13/5033. . . . . . (being hydrophilic)
13/5035. . . . . . (being biodegradable, e.g. Rayon, polylactate, dioxanone)
13/5038. . . . . . (being a mixture of fibres)
13/504. . . . . . (with pulp and polymeric fibres)
13/5042. . . . . . (with hydrophobic and hydrophilic fibres)
13/5045. . . . . . (with thermoplastic binder)
13/5047. . . . . . (with antibacterial agents)
13/505. . . . . . (with mineral or inert material)
13/5052. . . . . . (having different diameters)
13/5054. . . . . . (having different densities)
13/5057. . . . . . (having different ratio of fibres)
13/5059. . . . . . (being sprayed with chemicals)
13/5061. . . . . . (for rendering the surface hydrophobic)
13/5064. . . . . . (in the legs area)
13/5066. . . . . . (for rendering the surface hydrophilic)
13/5069. . . . . . (by hydrophilisation with plasma or corona discharge)
13/5071. . . . . . (with anti-static agents)
13/5073. . . . . . (with lubricants)
13/5076. . . . . . (with perfumes or odour-masking agents)
13/5078. . . . . . (being embossed)
13/508. . . . . . (in grids)
13/5083. . . . . . (in point)
13/5085. . . . . . (in diamonds)
13/5088. . . . . . (in very fine microtexture)
13/509. . . . . . (with odour control)
13/5092. . . . . . (characterized by the dimensions)
13/5095. . . . . . (being metallic)
13/5097. . . . . . (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)
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A61F

13/5108 . . . . . (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 13/5108 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 cellulose 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 needlingentangled 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 13/5104/1))

13/5126 . . . . . (characterised by the planar distribution of the apertures, e.g. in a predefined pattern)

2013/5127 . . . . . (characterised by the dimension of apertures)

2013/5128 . . . . . (characterised 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)

13/51316 . . . . . (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)

2013/51383 . . . . . (being adapted for female properties)

2013/51388 . . . . . (being adapted to male properties)

2013/51394 . . . . . (creating a visual effect, e.g. having a printed or coloured topsheet, printed or coloured sub-layer but being visible from the topsheet, 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 ((A61F 13/5211, A61F 13/5252 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)
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13/51466 . . . . . . [providing stretchability without the use of elastic material]
13/51468 . . . . . . (being removable)
13/5147 . . . . . . [the outer layer being adhesive itself]
13/51472 . . . . . . [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]
13/51482 . . . . . . [being laminated on paper]
13/51484 . . . . . . [being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures]
13/51486 . . . . . . [with specially shaped backsheets]
13/51488 . . . . . . [for napkins]
13/5149 . . . . . . [being embossed]
13/51492 . . . . . . [having specially shaped gas or air bubbles or bag-like structure]
13/51494 . . . . . . [having underlayer extending along 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 topsheet and the backsheet]
13/52 . . . . . . [Layers coated or treated to decrease absorbency]
13/53 . . . . . . [characterised by the absorbing medium (A61F 13/20 takes precedence)]
13/530007 . . . . . . [being made from pulp]
13/530014 . . . . . . [being made in hard wood pulp]
13/530021 . . . . . . [being made in soft wood pulp]
13/530029 . . . . . . [being made from cotton]
13/530036 . . . . . . [being made in chemically-modified cellulosic material, e.g. Rayon]
13/530043 . . . . . . [being made in oxidized cellulose]
13/530051 . . . . . . [being made in cross-linked cellulosic fibres]
13/530058 . . . . . . [with specific method of producing wood pulp fibres]
13/530065 . . . . . . [with chemical pulp]
13/530072 . . . . . . [with sulphate pulp, e.g. Kraft]
13/53008 . . . . . . [being unbleached]
13/530087 . . . . . . [with debonding agents]
13/530094 . . . . . . [with mechanical pulp]
13/530102 . . . . . . [with thermomechanical pulp]
13/530109 . . . . . . [with chemithermomechanical pulp]
13/530116 . . . . . . [with recycled material, e.g. paper]
13/530124 . . . . . . [with compressed and delaminated material]
13/530131 . . . . . . [being made in fibre but being not pulp]
13/530138 . . . . . . [characterized by the fibre length]
13/530145 . . . . . . [being short]
13/530153 . . . . . . [being long]
13/53016 . . . . . . [having special shape]
13/530167 . . . . . . [being cramped]
13/530175 . . . . . . [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]
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 coform]
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]
Bandages, dressings or absorbent pads; First-aid kits

A61F

2013/530569 . . . . [characterized by the gel layer permeability]
2013/530576 . . . . . [characterized by the gel layer permeability]
2013/530583 . . . . . [characterized by the gel layer permeability]
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 sponge or foam]
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 absorbency 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 2013/530649 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 barriers]
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 . . . . . [at front or rear region]
2013/530978 . . . . . [at a particular depth in the thickness]
2013/530985 . . . . . [being along the side edges]
2013/530992 . . . . . [in the form of string or ball instead of sheets]
2013/531 . . . . . . [having a homogeneous composition through the thickness of the pad (A61F 13/538, A61F 13/539 take precedence)]
2013/5312 . . . . . [with structure resisting compression]
2013/5315 . . . . . [with a tissue-wrapped core]
2013/5317 . . . . . [with integral impervious bottom surface]
2013/532 . . . . . . [inhomogeneous in the plane of the pad]
2013/5323 . . . . . [having absorbent material located in discrete regions, e.g. pockets]
2013/5326 . . . . . [being a flanged fibrous pad]
2013/533 . . . . . . [having discontinuous areas of compression]
2013/534 . . . . . . [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)]
2013/53409 . . . . . [having a folded core]
2013/53418 . . . . . [having a C-folded cross-section]
2013/53427 . . . . . [having an e-folded cross-section]
2013/53436 . . . . . [having an undulated or corrugated cross-section]
2013/53445 . . . . . [from several sheets]
2013/53454 . . . . . [with mirror-like structure]
2013/53463 . . . . . [with a reinforcing structure, e.g. net]
2013/53472 . . . . . [being a non-woven tissue wrapping the core]
2013/53481 . . . . . [being biodegradable]
2013/5349 . . . . . . [being a tissue-wrapped core]
2013/535 . . . . . . [inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes (A61F 13/5323, A61F 13/537 take precedence)]
2013/5355 . . . . . [with terraced core]
2013/536 . . . . . . [having discontinuous areas of compression]
2013/537 . . . . . . [characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer (A61F 13/538 takes precedence)]
2013/53704 . . . . . [the layer having an inhibiting function on liquid propagation]
2013/53708 . . . . . [the layer having a promotional function on liquid propagation in at least one direction]
2013/53713 . . . . . [the layer having a promotional function on liquid propagation in the horizontal direction]
2013/53717 . . . . . [the layer having a promotional function on liquid propagation in the vertical direction]
2013/53721 . . . . . [with capillary means]
2013/53726 . . . . . [on the top layer]
2013/5373 . . . . . . [on the bottom layer]
Bandages, dressings or absorbent pads; First-aid kits

13/5398 .... characterised by the position of the layer relative to the other layers
13/5397 .... the layer is facing the topsheet (layer is part of the topsheet A61F 13/511)
13/5396 .... the layer is embedded in the absorbent core
13/5395 .... the layer facing the back-sheet
13/5394 .... characterised by the performance of the layer, e.g. acquisition rate, distribution time, transfer time
13/5393 .... characterised by its geometry
13/5392 .... with the wicking layer not contacting the absorbent core
13/5391 .... being resilient or elastic
13/5390 .... being a surge management layer
13/538 .... characterised by specific fibre orientation or weave
13/5373 .... with a deformable spacing structure
13/5372 .... with grooves
13/5371 .... with holes
13/5370 .... with folds
13/5369 .... { characterized by the features before use, e.g. acquisition rate, distribution time, transfer time (A61F 13/511) }
13/5368 .... { characterised by the position of the layer relative to the other layers (A61F 13/511) }
13/5367 .... (layer is part of the topsheet A61F 13/511)
13/5366 .... the layer is facing the topsheet (layer is part of the topsheet A61F 13/511)
13/5365 .... the layer is embedded in the absorbent core
13/5364 .... the layer facing the back-sheet
13/5363 .... characterised by the performance of the layer, e.g. acquisition rate, distribution time, transfer time
13/5362 .... characterised by its geometry
13/5361 .... with the wicking layer not contacting the absorbent core
13/5360 .... being resilient or elastic
13/5359 .... being a surge management layer
13/5358 .... characterised by specific fibre orientation or weave
13/5357 .... by the fibre orientation in the x-y plane
13/5356 .... by the fibre orientation in the z plane or vertical direction
13/5355 .... characterised by the connection of the absorbent layers with each other or with the outer layers
13/5354 .... with adhesive
13/5353 .... [with epicyclical pattern]
13/5352 .... [with intermittent pattern, e.g. spots]
13/5351 .... [with water-soluble binder]
13/5350 .... [being alcohol-based binder]
13/5349 .... [with thermoplastic agent, i.e. softened by heat]
13/5348 .... [with separate adhesive layer]
13/5347 .... [by needling, sewing, blow-needling]
13/5346 .... [by Hydraulic entanglement]
13/5345 .... [with hook and loop-type fastener or the like]
13/5344 .... [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5343 .... [with strips on several places]
13/5342 .... [on rear or front tabs]
13/5341 .... [on lateral flaps]
13/5340 .... [with buttons or the like (A61F 13/78 takes precedence)]
13/5339 .... [having more than one pair of fasteners]
13/5338 .... [open type diaper]
13/5337 .... [with intermittent pattern, e.g. spots]
13/5336 .... [with epicyclical pattern]
13/5335 .... [with separate adhesive layer]
13/5334 .... [by needling, sewing, blow-needling]
13/5333 .... [by Hydraulic entanglement]
13/5332 .... [with hook and loop-type fastener or the like]
13/5331 .... [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5330 .... [with strips on several places]
13/5329 .... [on rear or front tabs]
13/5328 .... [on lateral flaps]
13/5327 .... [specially adapted for sanitary napkins or the like]
13/5326 .... [with buttons or the like (A61F 13/78 takes precedence)]
13/5325 .... [having more than one pair of fasteners]
13/5324 .... [open type diaper]
13/5323 .... [with intermittent pattern, e.g. spots]
13/5322 .... [with epicyclical pattern]
13/5321 .... [with separate adhesive layer]
13/5320 .... [by needling, sewing, blow-needling]
13/5319 .... [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5318 .... [with strips on several places]
13/5317 .... [on lateral flaps]
13/5316 .... [with buttons or the like (A61F 13/78 takes precedence)]
13/5315 .... [having more than one pair of fasteners]
13/5314 .... [open type diaper]
13/5313 .... [with intermittent pattern, e.g. spots]
13/5312 .... [with epicyclical pattern]
13/5311 .... [with separate adhesive layer]
13/5310 .... [by needling, sewing, blow-needling]
13/5309 .... [by Hydraulic entanglement]
13/5308 .... [with hook and loop-type fastener or the like]
13/5307 .... [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5306 .... [with strips on several places]
13/5305 .... [on lateral flaps]
13/5304 .... [on rear or front tabs]
13/5303 .... [on lateral flaps]
13/5302 .... [with buttons or the like (A61F 13/78 takes precedence)]
13/5301 .... [having more than one pair of fasteners]
13/5300 .... [open type diaper]
13/5299 .... [with intermittent pattern, e.g. spots]
13/5298 .... [with epicyclical pattern]
13/5297 .... [with separate adhesive layer]
13/5296 .... [by needling, sewing, blow-needling]
13/5295 .... [by Hydraulic entanglement]
13/5294 .... [with hook and loop-type fastener or the like]
13/5293 .... [using fastening strips, e.g. adhesive, on the undergarment-facing side]
13/5292 .... [with strips on several places]
13/5291 .... [on lateral flaps]
13/5290 .... [on rear or front tabs]
13/5289 .... [on lateral flaps]
13/5288 .... [on waist panels]
13/5287 .... [with release means associated with tab fasteners]
13/5286 .... [with one strip on one place]
13/5285 .... [with strips on several places]
13/5284 .... [on lateral flaps]
13/5283 .... [on rear or front tabs]
13/5282 .... [with one strip on one place]
13/5281 .... [with strips on several places]
13/5280 .... [on lateral flaps]
13/5279 .... [on rear or front tabs]
13/5278 .... [on lateral flaps]
13/5277 .... [on rear or front tabs]
13/5276 .... [characterised by the hook]
13/5275 .... [characterised by the loop]
13/5274 .... [characterised by the hook]
13/5273 .... [characterised by the loop]
13/5272 .... [characterised by the hook]
13/5271 .... [characterised by the loop]
Bandages, dressings or absorbent pads; First-aid kits

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 encircling 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 13/5512, 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 pH]
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 glycerine polyol]
2013/8435 . . . [with plant derivatives]
2013/8438 . . . [being enzymes, e.g. proteolysis, cellulase]
2013/8441 . . . [being cultures]
2013/8444 . . . [being microbial, e.g. hylagaricus]
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]
2013/8482 . . . [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
2013/8491 . . . [including pumping devices]
2013/8494 . . . [including testing apparatus]
2013/8497 . . . [having plant derivative]
2013/8476 . . . [having bees-wax]
2013/8479 . . . [being antistatic agents]
2013/8482 . . . [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]

15/001 . . . [Packages and dispensers for bandages, cotton balls, drapes, dressings, gauze, gown, swabs, sponges, swabsticks 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]
15/008 . . . [Appliances for wound protecting, e.g. avoiding contact between wound and bandage (corn plasters A61F 13/063)]
15/02 . . . Devices for cutting bandages of any kind, e.g. shears, cast-cutting saws

17/00 First-aid kits

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
2210/0004 . . . biodegradable
2210/0009 . . . using materials or accessories for preventing galvanic or electrolytic corrosion
2210/0014 . . . using shape memory or superelastic materials, e.g. nitinol
2210/0019 . . . 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
2210/0023 . . . operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply
2210/0028 . . . cooled
2210/0033 . . . electrically, e.g. heated by resistor
2210/0038 . . . electromagnetically
2210/0042 . . . using a fluid, e.g. circulating
2210/0047 . . . heated by light
2210/0052 . . . ultrasonically
2210/0057 . . . stretchable
2210/0061 . . . swellable
2210/0066 . . . shrinkable
2210/0071 . . . thermoplastic
2210/0076 . . . multilayered, e.g. laminated structures
2210/008 . . . Phase change materials [PCM], e.g. for storing latent heat
2210/0085 . . . hardenable in situ, e.g. epoxy resins
2210/009 . . . magnetic
2210/0095 . . . 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
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2230/0089 . . . tetrahedral, i.e. having a triangular basis
2230/0091 . . . helically-coiled or spirally-coiled, i.e. having a 2-D spiral cross-section
2230/0093 . . . Umbrella-shaped, e.g. mushroom-shaped
2230/0095 . . . Saddle-shaped
2230/0097 . . . Harpoon-shaped

2240/00 . . . Designing or manufacturing processes
2240/002 . . . Designing or making customized prostheses
2240/004 . . . Using a positive or negative model, e.g. moulds
2240/005 . . . Templates
2240/007 . . . Dummy prostheses
2240/008 . . . Means for testing implantable prostheses

2250/00 . . . 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
2250/001 . . . for adjusting a diameter
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, Brinell
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
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

Prostheses classified in A61F 2/28 or A61F 2/30 - A61F 2/43 being constructed from or coated with a particular material

The prosthesis being constructed from a particular material

- 2250/0004 . . . differing in coefficient of thermal expansion, e.g. 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 electromagnetical 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
- 2250/005 . . . differing in colour
- 2250/0051 . . . differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts
- 2250/0052 . . . differing in bone ingrowth capacity
- 2250/0053 . . . differing in optical properties
- 2250/0054 . . . differing in corrosion resistance
- 2250/0056 . . . differing in wettability, e.g. in hydrophilic or hydrophobic behaviours
- 2250/0057 . . . made from both cured and uncured parts
- 2250/0058 . Additional features; Implant or prostheses properties not otherwise provided for
- 2250/0059 . . . temporary
- 2250/006 . . . modular
- 2250/0062 . . . Kits of prosthetic parts to be assembled in various combinations for forming different prostheses
- 2250/0063 . . . Nested prosthetic parts
- 2250/0064 . . . Sets comprising a plurality of prosthetic parts of different sizes
- 2250/0065 . . . telescopic
- 2250/0067 . . . Means for introducing or releasing pharmaceutical products into the body
- 2250/0068 . . . the pharmaceutical product being in a reservoir
- 2250/0069 . . . Sealing means
- 2250/007 . . . O-rings
- 2250/0071 . . . breakable or fragible
- 2250/0073 . . . Force-limiting means
- 2250/0074 . . . Torque-limiting means
- 2250/0075 . . . Sound-damping or noise-reducing means
- 2250/0076 . . . waterproof
- 2250/0078 . . . Gender-specific, e.g. different for male and female patients
- 2250/0079 . . . 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 . . . The prosthesis being constructed from a particular material

- 2310/00011 . . . Metals or alloys
- 2310/00017 . . . Iron- or Fe-based alloys, e.g. stainless steel
- 2310/00023 . . . Titanium or titanium-based alloys, e.g. Ti-Ni alloys
- 2310/00029 . . . Cobalt-based alloys, e.g. Co-Cr alloys or Vitallium
- 2310/00035 . . . Other metals or alloys
- 2310/00041 . . . Magnesium or Mg-based alloys
- 2310/00047 . . . Aluminium or Al-based alloys
- 2310/00053 . . . Vanadium or V-based alloys
- 2310/00059 . . . Chromium or Cr-based alloys
- 2310/00065 . . . Manganese or Mn-based alloys
- 2310/00071 . . . Nickel or Ni-based alloys
- 2310/00077 . . . Copper or Cu-based alloys
- 2310/00083 . . . Zinc or Zn-based alloys
- 2310/00089 . . . Zirconium or Zr-based alloys
- 2310/00095 . . . Niobium or Nb-based alloys
- 2310/00101 . . . Molybdenum or Mo-based alloys
- 2310/00107 . . . Palladium or Pd-based alloys
- 2310/00113 . . . Silver or Ag-based alloys
- 2310/00119 . . . Tin or Sn-based alloys
- 2310/00125 . . . Hafnium or Hf-based alloys
- 2310/00131 . . . Tantalum or Ta-based alloys
- 2310/00137 . . . Tungsten or W-based alloys
- 2310/00143 . . . Iridium or Ir-based alloys
- 2310/00149 . . . Platinum or Pt-based alloys
- 2310/00155 . . . Gold or Au-based alloys
- 2310/00161 . . . Carbon; Graphite
- 2310/00167 . . . Diamond or diamond-like carbon
- 2310/00173 . . . Graphite
- 2310/00179 . . . Ceramics or ceramic-like structures
- 2310/00185 . . . based on metal oxides
- 2310/00191 . . . containing beryllium oxide
- 2310/00197 . . . containing magnesia or magnesium oxide
- 2310/00203 . . . containing alumina or aluminium oxide
- 2310/00209 . . . Corundum or Sapphire
- 2310/00215 . . . containing silica or silicon oxide
- 2310/00221 . . . containing calcia or calcium oxide
- 2310/00227 . . . containing titania or titanium oxide
- 2310/00233 . . . containing chromia or chromium oxides
- 2310/00239 . . . containing zirconia or zirconium oxide
- 2310/00245 . . . containing niobium oxide
- 2310/00251 . . . containing hafnia or hafnium oxide
- 2310/00257 . . . containing tantalum oxide
- 2310/00263 . . . based on metal borides
- 2310/00269 . . . based on metal carbides
Filters; Devices providing patency to tubular structures; Prostheses; Accessories

2310/00275 . . . containing boron carbide
2310/00281 . . . containing silicon carbide
2310/00287 . . . containing titanium carbide
2310/00293 . . . containing a phosphorus-containing compound, e.g. apatite
2310/00299 . . . based on metal nitrides
2310/00305 . . . containing boron nitride
2310/00311 . . . containing aluminium nitride
2310/00317 . . . containing silicon nitride
2310/00323 . . . containing titanium nitride
2310/00329 . . . Glasses, e.g. bioglass
2310/00335 . . . Porcelain
2310/00341 . . . Coral, e.g. aragonite, porite
2310/00347 . . . Nacre or mother-of-pearl
2310/00353 . . . Bone cement, e.g. polymethylmethacrylate or PMMA
2310/00359 . . . Bone or bony tissue
2310/00365 . . . Proteins; Polypeptides; Degradation products thereof
2310/00371 . . . Collagen
2310/00377 . . . Fibrin
2310/00383 . . . Gelatin
2310/00389 . . . The prosthesis being coated or covered with a particular material
2310/00395 . . . Coating or prosthesis-covering structure made of metals or of alloys
2310/00401 . . . Coating made of iron, of stainless steel or of other Fe-based alloys
2310/00407 . . . Coating made of titanium or of Ti-based alloys
2310/00413 . . . Coating made of cobalt or of Co-based alloys
2310/00419 . . . Other metals
2310/00425 . . . Coating made of magnesium or of Mg-based alloys
2310/00431 . . . Coating made of aluminium or of Al-based alloys
2310/00437 . . . Coating made of silicon or Si-based alloys
2310/00443 . . . Coating made of vanadium or of V-based alloys
2310/00449 . . . Coating made of chromium or Cr-based alloys
2310/00455 . . . Coating made of manganese Mn-based alloys
2310/00461 . . . Coating made of nickel or Ni-based alloys
2310/00467 . . . Coating made of copper or Cu-based alloys
2310/00473 . . . Coating made of zinc or Zn-based alloys
2310/00479 . . . Coating made of germanium or Ge-based alloys
2310/00485 . . . Coating made of zirconium or Zr-based alloys
2310/00491 . . . Coating made of niobium or Nb-based alloys
2310/00497 . . . Coating made of molybdenum or Mo-based alloys
2310/00502 . . . Coating made of ruthenium or Ru-based alloys
2310/00508 . . . Coating made of rhodium or Rh-based alloys
2310/00514 . . . Coating made of palladium or Pd-based alloys
2310/0052 . . . Coating made of silver or Ag-based alloys
2310/00526 . . . Coating made of indium or In-based alloys
2310/00532 . . . Coating made of tin or Sn-based alloys
2310/00538 . . . Coating made of hafnium or Hf-based alloys
2310/00544 . . . Coating made of tantalum or Ta-based alloys
2310/0055 . . . Coating made of tungsten or W-based alloys
2310/00556 . . . Coating made of iridium or Ir-based alloys
2310/00562 . . . Coating made of platinum or Pt-based alloys
2310/00568 . . . Coating made of gold or Au-based alloys
2310/00574 . . . Coating or prosthesis-covering structure made of carbon, e.g. of pyrocarbon
2310/0058 . . . Coating made of diamond or of diamond-like carbon DLC
2310/00586 . . . Coating made of graphite
2310/00592 . . . Coating or prosthesis-covering structure made of ceramics or of ceramic-like compounds
2310/00598 . . . Coating or prosthesis-covering structure made of compounds based on metal oxides or hydroxides
2310/00604 . . . Coating made of aluminium oxide or hydroxides
2310/00606 . . . Coating made of silicon oxide or hydroxides
2310/00616 . . . Coating made of titanium oxide or hydroxides
2310/00622 . . . Coating made of chromium oxide or hydroxides
2310/00628 . . . Coating made of cobalt oxide or hydroxides
2310/00634 . . . Coating made of zirconium oxide or hydroxides
2310/0064 . . . Coating made of niobium oxide or hydroxides
2310/00646 . . . Coating made of molybdenum oxide or hydroxides
2310/00652 . . . Coating made of hafnium oxide or hydroxides
2310/00658 . . . Coating made of tantalum oxide or hydroxides
2310/00664 . . . Coating made of tungsten oxide or hydroxides
2310/0067 . . . Coating or prosthesis-covering structure made of compounds based on metal borides
2310/00676 . . . Coating made of aluminium boride
2310/00682 . . . Coating made of titanium boride
2310/00688 . . . Coating made of vanadium boride
2310/00694 . . . Coating made of chromium boride
2310/00707 . . . Coating made of cobalt boride
2310/00706 . . . Coating made of zirconium boride
2310/00712 . . . Coating made of molybdenum boride
2310/00718 . . . Coating made of lanthanum boride
2310/00724 . . . Coating made of tungsten boride
2310/0073 . . . Coating or prosthesis-covering structure made of compounds based on metal carbides
2310/00736 . . . Coating made of boron carbide
2310/00742 . . . Coating made of silicon carbide
2310/00748 . . . Coating made of titanium carbide
2310/00754 . . . Coating made of chromium carbide
2310/0076 . . . Coating made of nickel carbide
2310/00766 . . . Coating made of zirconium carbide
2310/00772 . . . Coating made of niobium carbide
2310/00778 . . . Coating made of hafnium carbide
2310/00784 . . . Coating made of tantalum carbide
2310/0079 . . . Coating made of tungsten carbide
2310/00796 . . . Coating or prosthesis-covering structure made of a phosphorus-containing compound, e.g. hydroxyapatite
2310/00802 . . . Coating or prosthesis-covering structure made of compounds based on metal hydrides
2310/00808 . . . Coating made of titanium hydride
2310/00814 . . . Coating made of vanadium hydride
2310/0082 . . . Coating made of chromium hydride
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>2310/00826</td>
<td>Coating made of zirconium hydride</td>
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<tr>
<td>2310/00832</td>
<td>Coating made of niobium hydride</td>
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<tr>
<td>2310/00838</td>
<td>Coating made of hafnium hydride</td>
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<td>2310/00844</td>
<td>Coating made of tantalum hydride</td>
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<td>2310/0085</td>
<td>Coating or prosthesis-covering structure made of compounds based on metal chlorides</td>
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<tr>
<td>2310/0086</td>
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<tr>
<td>2310/00862</td>
<td>Coating made of boron nitride</td>
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<tr>
<td>2310/00868</td>
<td>Coating made of aluminium nitride</td>
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<td>2310/00874</td>
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<td>Coating made of titanium nitride</td>
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<tr>
<td>2310/00886</td>
<td>Coating made of chromium nitride</td>
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<tr>
<td>2310/00892</td>
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<tr>
<td>2310/00898</td>
<td>Coating made of niobium nitride</td>
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<td>2310/0091</td>
<td>Coating made of tantalum nitride</td>
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<tr>
<td>2310/00916</td>
<td>Coating or prosthesis-covering structure made of compounds based on metal sulfides</td>
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<tr>
<td>2310/00922</td>
<td>Coating made of molybdenum sulfide</td>
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<tr>
<td>2310/00928</td>
<td>Coating or prosthesis-covering structure made of glass or of glass-containing compounds, e.g. of bioglass</td>
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<tr>
<td>2310/00934</td>
<td>Coating made of enamel</td>
</tr>
<tr>
<td>2310/0094</td>
<td>Coating made of porcelain</td>
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<tr>
<td>2310/00946</td>
<td>Coating or prosthesis-covering structure made of nacre or mother-of-pearl</td>
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<tr>
<td>2310/00952</td>
<td>Coating, pre-coating or prosthesis-covering structure made of bone cement, e.g. pre-applied PMMA cement mantle</td>
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<tr>
<td>2310/00958</td>
<td>Coating or prosthesis-covering structure made of bone or of bony tissue</td>
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<tr>
<td>2310/00964</td>
<td>Coating or prosthesis-covering structure made of cartilage</td>
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<tr>
<td>2310/0097</td>
<td>Coating or prosthesis-covering structure made of pharmaceutical products, e.g. antibiotics</td>
</tr>
<tr>
<td>2310/00976</td>
<td>Coating or prosthesis-covering structure made of proteins or of polypeptides, e.g. of bone morphogenic proteins BMP or of transforming growth factors TGF</td>
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<tr>
<td>2310/00982</td>
<td>Coating made of collagen</td>
</tr>
<tr>
<td>2310/00988</td>
<td>Coating made of fibrin</td>
</tr>
<tr>
<td>2310/00994</td>
<td>Coating made of gelatin</td>
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