

CPC**COOPERATIVE PATENT CLASSIFICATION****A61F**

FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS
(dental prosthetics [A61C](#))

WARNING

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

[A61F 2/48](#) covered by [A61F 2/02](#)
[A61F 2/56](#) covered by [A61F 2/54](#)
[A61F 2/62](#) covered by [A61F 2/60](#)
[A61F 2/70](#) covered by [A61F 2/68](#), [A61F 2/72](#)
[A61F 2/74](#) covered by [A61F 2/68](#)
[A61F 5/045](#) covered by [A61G 13/12](#)
[A61F 5/052](#) covered by [A61F 5/05](#)
[A61F 5/447](#) covered by [A61F 5/445](#)
[A61F 5/452](#) covered by [A61F 5/451](#)
[A61F 5/457](#) covered by [A61F 5/451](#)
[A61F 5/458](#) covered by [A61F 5/451](#)
[A61F 6/10](#) covered by [A61F 6/08](#)
[A61F 9/01](#) covered by [A61F 9/008A-A61F 9/008D](#)
[A61F 9/011](#) covered by [A61F 9/008A-A61F 9/008D](#)
[A61F 13/22](#) covered by [A61F 13/206A61F 13/24](#) covered by
[A61F 13/2037A61F 13/30](#) covered by [A61F 13/26](#)
[A61F 13/32](#) covered by [A61F 13/26](#)
[A61F 13/40](#) covered by [A61M 35/006](#)

Guidance heading: Filters; Devices providing patency to tubular structures; Prostheses; Accessories

A61F 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 (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](#))

WARNING

Groups [A61F 2/07](#), [A61F 2/844](#) - [A61F 2/97](#) correspond to IPC2013.01

A61F 2/0004

- . { Closure means for urethra or rectum, i.e. anti-incontinence devices or support slings against pelvic prolapse }

- A61F 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 17/0057](#))}
- A61F 2/0013 ... { inflatable }
- A61F 2/0018 ... { magnetic }
- A61F 2/0022 .. { placed deep in the body opening (occluding blood vessels by internal devices [A61B 17/12022](#))}
- A61F 2/0027 ... { inflatable }
- A61F 2/0031 .. { for constricting the lumen; Support slings for the urethra }
- A61F 2/0036 ... { implantable ([A61F 2/0018](#) takes precedence)}
- A61F 2/004 { inflatable }
- A61F 2/0045 { Support slings }
- A61F 2/005 ... { with pressure applied to urethra by an element placed in the vagina }
- A61F 2/0054 ... { with pressure applied to urethra by an element placed around the penis, e.g. penis clamp }

- A61F 2/0059 . { Cosmetic or alloplastic implants ([A61F 2/10](#) to [A61F 2/16](#), [A61F 2/28](#) take precedence)}

- A61F 2/0063 . { Implantable repair or support meshes, e.g. hernia meshes }
- A61F 2002/0068 .. { having a special mesh pattern }
- A61F 2002/0072 .. { Delivery tools therefor }

- A61F 2/0077 . { Special surfaces of prostheses, e.g. for improving ingrowth ([A61F 2/30767](#) takes precedence)}
- A61F 2002/0081 .. { directly machined on the prosthetic surface, e.g. holes, grooves ([A61F 2/30771](#) takes precedence)}
- A61F 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](#))}
- A61F 2002/009 .. { for hindering or preventing attachment of biological tissue (of bone tissue onto implantable joints [A61F 2002/30932](#))}

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

- A61F 2/01 . Filters implantable into blood vessels {(filters used as gripping instruments [A61B 17/22031](#))}
- A61F 2002/011 .. { Instruments for their placement or removal }
- A61F 2/013 .. { Distal protection devices, i.e. devices placed distally in combination with another endovascular procedure, e.g. angioplasty or stenting }
- A61F 2002/015 ... { Stop means therefor }
- A61F 2002/016 .. { made from wire-like elements }
- A61F 2002/018 .. { made from tubes or sheets of material, e.g. by etching or laser-cutting }

- A61F 2/02 . Prostheses implantable into the body {(closure means for urethra or rectum or for artificial body openings therefor [A61F 2/0004](#))}

A61F 2/022	..	{ Artificial gland structures using bioreactors (hemodialysis A61M 1/16 ; hemofiltration A61M 1/34 ; other extracorporeal blood treatment A61M 1/36)}
A61F 2/025	..	{ Means for transferring electromagnetic energy to implants }
A61F 2/027	...	{ for data transfer }
A61F 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)
A61F 2002/041	...	{ Bile ducts }
A61F 2/042	...	{ Urinary bladders }
A61F 2002/043	...	{ Bronchi }
A61F 2002/044	...	{ Oesophagi or esophagi or gullets }
A61F 2002/045	...	{ Stomach, intestines }
A61F 2002/046	...	{ Tracheae }
A61F 2002/047	...	{ Urethrae }
A61F 2002/048	...	{ Ureters }
A61F 2/06	...	Blood vessels
A61F 2002/061	....	{ provided with means for allowing access to secondary lumens }
A61F 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 27/5007)}
A61F 2/064	....	{ with special features to facilitate anastomotic coupling (anastomosis of natural blood vessels A61B 17/11)}
A61F 2002/065	....	{ Y-shaped blood vessels }
A61F 2002/067	.....	{ modular }
A61F 2002/068	....	{ Modifying the blood flow model, e.g. by diffuser or deflector }
A61F 2/07	....	Stent-grafts
A61F 2002/072	.....	{ Encapsulated stents, e.g. wire or whole stent embedded in lining }
A61F 2002/075	.....	{ the stent being loosely attached to the graft material, e.g. by stitching }
A61F 2002/077	.....	{ having means to fill the space between stent-graft and aneurysm wall, e.g. a sleeve }
A61F 2/08	..	Muscles; Tendons; Ligaments {(sutures A61B 17/04)}
A61F 2/0805	...	{ Implements for inserting tendons or ligaments }
A61F 2/0811	...	{ Fixation devices for tendons or ligaments }
A61F 2002/0817	....	{ Structure of the anchor }
A61F 2002/0823	.....	{ Modular anchors comprising a plurality of separate parts }
A61F 2002/0829	.....	{ without deformation of anchor parts, e.g. fixation screws on bone surface, extending barbs, cams, butterflies, spring-loaded pins }
A61F 2002/0835	.....	{ with deformation of anchor parts, e.g. expansion of dowel by set screw }
A61F 2002/0841	.....	{ Longitudinal channel for insertion tool running through the whole tendon anchor, e.g. for accommodating bone drill, guidewire }

A61F 2002/0847	....	{ Mode of fixation of anchor to tendon or ligament }
A61F 2002/0852	.....	{ Fixation of a loop or U-turn, e.g. eyelets, anchor having multiple holes }
A61F 2002/0858	.....	{ Fixation of tendon or ligament between anchor and bone, e.g. interference screws, wedges }
A61F 2002/0864	.....	{ Fixation of tendon or ligament between anchor elements, e.g. by additional screws in the anchor, anchor crimped around tendon }
A61F 2002/087	.....	{ Anchor integrated into tendons, e.g. bone blocks, integrated rings }
A61F 2002/0876	....	{ Position of anchor in respect to the bone }
A61F 2002/0882	.....	{ Anchor in or on top of a bone tunnel, i.e. a hole running through the entire bone }
A61F 2002/0888	.....	{ Anchor in or on a blind hole or on the bone surface without formation of a tunnel }
A61F 2002/0894	...	{ Muscles (non-implantable A61F 2002/5066)}
A61F 2/10	..	Hair or skin implants
A61F 2/105	...	{ Skin implants, e.g. artificial skin }
A61F 2/12	..	Mammary prostheses and implants
A61F 2/14	..	Eye parts, e.g. lenses, corneal implants; { Implanting instruments specially adapted therefor }; Artificial eyes
A61F 2/141	...	{ Artificial eyes }
A61F 2/142	...	{ Cornea, e.g. artificial corneae, keratoprotheses or corneal implants for repair of defective corneal tissue }
A61F 2/143	....	{ Implantation instruments specially adapted therefor }
A61F 2/145	...	{ Corneal inlays or onlays for refractive correction }
A61F 2/146	....	{ Implantation instruments specially adapted therefor }
A61F 2/147	...	{ Implants to be inserted in the stroma for refractive correction, e.g. ring-like implants }
A61F 2/148	....	{ Implantation instruments specially adapted therefor }
A61F 2/16	...	Intraocular lenses
A61F 2/1602	....	{ Corrective lenses for use in addition to the natural lenses of the eyes }
A61F 2002/1605	.....	{ Anterior chamber lenses for use in addition to the natural lenses of the eyes, e.g. iris fixated or floating }
A61F 2002/1608	.....	{ Iris fixated, e.g. by clamping iris tissue or by suturing to the iris }
A61F 2002/161	.....	{ Posterior chamber lenses for use in addition to the natural lenses of the eyes }
A61F 2/1613	....	{ having special lens configurations or particular optical properties, e.g. pseudo-accommodative lenses, lenses having variable focus or aberration corrections, multipart lenses, diffractive lenses or lenses for variably absorbing electromagnetic radiation }
A61F 2/1616	.....	{ Pseudo-accommodative, e.g. multifocal or enabling monovision }
A61F 2/1618	.....	{ Multifocal lenses }
A61F 2/1621	.....	{ enabling correction for monovision }
A61F 2/1624	.....	{ having adjustable focus or power activated variable focus means, e.g. mechanically or electrically by the ciliary muscle or from the outside }
A61F 2/1627	.....	{ for changing index of refraction e.g. by external means or by tilting }

A61F 2/1629	.....	{ for changing longitudinal position, i.e. along the visual axis when implanted }
A61F 2/1632	.....	{ for changing radial position, i.e. perpendicularly to the visual axis when implanted }
A61F 2/1635	.....	{ for changing shape }
A61F 2/1637	.....	{ Correcting aberrations caused by inhomogeneities of the cornea or the surface of the natural lens, or correcting intrinsic aberrations, e.g. aspheric, cylindrical, toric lenses }
A61F 2002/164	.....	{ Aspheric lenses }
A61F 2002/1643	.....	{ Cylindrical lenses }
A61F 2002/1645	.....	{ Toric lenses }
A61F 2/1648	.....	{ Multipart lenses }
A61F 2002/1651	.....	{ Multipart lenses comprising a telescope }
A61F 2/1654	.....	{ Diffractive lenses }
A61F 2/1656	.....	{ Fresnel lenses, prisms or plates }
A61F 2/1659	.....	{ having variable absorption coefficient for electromagnetic radiation, e.g. photochromic lenses }
A61F 2/1662	....	{ Instruments for inserting intraocular lenses into the eye }
A61F 2/1664	.....	{ for manual insertion during surgery, e.g. forceps-like instruments }
A61F 2/1667	.....	{ with rotatable plungers }
A61F 2/167	.....	{ with pushable plungers }
A61F 2/1672	.....	{ with a two-stage plunger, e.g. rotatable and pushable or rotatable at different speeds }
A61F 2/1675	.....	{ with a lubricated inner surface, e.g. the lubricant being coated on the inner surface or being injected through a port }
A61F 2/1678	.....	{ with a separate cartridge or other lens setting part for storage of a lens, e.g. preloadable for shipping }
A61F 2002/1681	....	{ characterised by form of haptics }
A61F 2002/1683	.....	{ having filiform haptics }
A61F 2002/1686	.....	{ Securing a filiform haptic to a lens body }
A61F 2002/1689	.....	{ having plate-haptics }
A61F 2/1691	....	{ Packages or dispensers for intraocular lenses (for contact lenses A45C 11/005) }
A61F 2/1694	....	{ Capsular bag spreaders therefor }
A61F 2002/1697	....	{ Additional features not otherwise provided for }
A61F 2/18	..	Internal ear or nose parts, e.g. ear-drums {(implants for middle ear ventilation or drainage A61F 11/002)}
A61F 2002/183	...	{ Ear parts }
A61F 2/186	...	{ Nose parts }
A61F 2/20	..	{ Epiglottis }; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se A61F 2/04 ; { tracheostomy tubes A61M 16/0465 })
A61F 2/203	...	{ comprising an air passage from trachea to oesophagus or to pharynx; Artificial epiglottis }

A61F 2002/206	...	{ Speech aids with external actuators, e.g. electrical larynxes }
A61F 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}
A61F 2/2403	...	{ with pivoting rigid closure members (check valves with hinged closure members in general F16K 15/03)}
A61F 2/2406	....	{ without fixed axis }
A61F 2/2409	...	{ Support rings therefor, e.g. for connecting valves to tissue (annuloplasty rings A61F 2/2442)}
A61F 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)}
A61F 2/2415	....	{ Manufacturing methods }
A61F 2/2418	....	{ Scaffolds therefor, e.g. support stents }
A61F 2/2421	...	{ with non-pivoting rigid closure members }
A61F 2/2424	....	{ Ball valves }
A61F 2/2427	...	{ Devices for manipulating or deploying heart valves during implantation }
A61F 2/243	....	{ Deployment by mechanical expansion }
A61F 2/2433	.....	{ using balloon catheter }
A61F 2/2436	....	{ Deployment by retracting a sheath }
A61F 2/2439	....	{ Expansion controlled by filaments }
A61F 2/2442	...	{ Annuloplasty rings or inserts for correcting the valve shape; Implants for improving the function of a native heart valve }
A61F 2/2445	....	{ Annuloplasty rings in direct contact with the valve annulus }
A61F 2/2448	.....	{ D-shaped rings }
A61F 2/2451	....	{ Inserts in the coronary sinus for correcting the valve shape }
A61F 2/2454	....	{ Means for preventing inversion of the valve leaflets, e.g. chordae tendineae prostheses }
A61F 2/2457	.....	{ Chordae tendineae prostheses }
A61F 2/246	....	{ Devices for obstructing a leak through a native valve in a closed condition }
A61F 2/2463	....	{ Implants forming part of the valve leaflets }
A61F 2/2466	....	{ Delivery devices therefor }
A61F 2/2469	...	{ with resilient valve members, e.g. conical spiral }
A61F 2/2472	...	{ Devices for testing }
A61F 2/2475	...	{ Venous valves }
A61F 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 }
A61F 2/2481	....	{ Devices outside the heart wall, e.g. bags, strips or bands }
A61F 2002/2484	.....	{ Delivery devices therefor }
A61F 2/2487	....	{ Devices within the heart chamber, e.g. splints }
A61F 2002/249	....	{ Device completely embedded in the heart wall }
A61F 2/2493	...	{ Transmyocardial revascularisation [TMR] devices}

A61F 2/2496	...	{ Devices for determining the dimensions of the prosthetic valve to be implanted, e.g. templates, sizers }
A61F 2/26	..	Penis implants
A61F 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 2/4644 })
A61F 2/2803	...	{ for mandibular reconstruction (temporo-mandibular joints A61F 2/3099 ; bone plates for the jaw A61B 17/8071)}
A61F 2002/2807	....	{ Chin implants }
A61F 2002/281	....	{ Gonial implants }
A61F 2/2814	...	{ Bone stump caps }
A61F 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) }
A61F 2002/2821	...	{ Bone stimulation by electromagnetic fields or electric current for enhancing ossification }
A61F 2002/2825	...	{ Femur }
A61F 2002/2828	....	{ Femoral head }
A61F 2002/2832	....	{ Femoral neck }
A61F 2002/2835	...	{ Bone graft implants for filling a bony defect or an endoprosthesis cavity }
A61F 2002/2839	....	{ Bone plugs or bone graft dowels }
A61F 2002/2842	....	{ Bone marrow grafts }
A61F 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 8/0006)}
A61F 2002/285	....	{ Fixation appliances for attaching bone substitute support means to underlying bone }
A61F 2002/2853	...	{ Humerus }
A61F 2/2857	...	{ for cadavers (devices for autopsy A61B 16/00)}
A61F 2002/286	...	{ Bone stimulation by mechanical vibrations for enhancing ossification }
A61F 2002/2864	....	{ by ultrasonic or acoustic vibrations }
A61F 2002/2867	...	{ Bone marrow }
A61F 2002/2871	...	{ Radius }
A61F 2/2875	...	{ Skull or cranium (A61F 2/2803 and A61F 2/3099 take precedence)}
A61F 2002/2878	....	{ for orbital repair }
A61F 2002/2882	....	{ Malar or zygomatic implants }
A61F 2002/2885	....	{ Paranasal implants }
A61F 2002/2889	....	{ Maxillary, premaxillary or molar implants }
A61F 2002/2892	...	{ Tibia }
A61F 2002/2896	...	{ Ulna }
A61F 2/30	..	Joints

A61F 2002/30001	...	{ Additional features of subject-matter classified in A61F 2/28 , A61F 2/30 and subgroups thereof }
A61F 2002/30003	....	{ Material related properties of the prosthesis or of a coating on the prosthesis }
A61F 2002/30004	.....	{ The prosthesis made from materials having different values of a given property at different locations within the same prosthesis }
A61F 2002/30006	.....	{ differing in density or specific weight }
A61F 2002/30008	.....	{ differing in yarn density }
A61F 2002/30009	.....	{ differing in fibre orientations }
A61F 2002/30011	.....	{ differing in porosity }
A61F 2002/30013	.....	{ made from both porous and non-porous parts, e.g. adjacent parts }
A61F 2002/30014	.....	{ differing in elasticity, stiffness or compressibility }
A61F 2002/30016	.....	{ differing in hardness, e.g. Vickers, Shore, Brinell }
A61F 2002/30018	.....	{ differing in bending or flexure capacity }
A61F 2002/30019	.....	{ differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability }
A61F 2002/30021	.....	{ differing in brittleness }
A61F 2002/30023	.....	{ differing in viscosity }
A61F 2002/30024	.....	{ differing in coefficient of friction }
A61F 2002/30026	.....	{ differing in wear resistance }
A61F 2002/30028	.....	{ differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts }
A61F 2002/30029	.....	{ differing in bone ingrowth capacity }
A61F 2002/30031	.....	{ differing in wettability, e.g. in hydrophilic or hydrophobic behaviours }
A61F 2002/30032	.....	{ differing in absorbability or resorbability, i.e. in absorption or resorption time }
A61F 2002/30034	.....	{ made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts }
A61F 2002/30036	.....	{ differing in release or diffusion time }
A61F 2002/30037	.....	{ differing in coefficient of thermal expansion or dila(ta)tion }
A61F 2002/30039	.....	{ differing in shape-memory transition temperatures, e.g. in martensitic transition temperature or in austenitic transition temperature }
A61F 2002/30041	.....	{ differing in hardening time }
A61F 2002/30042	.....	{ made from both cured and uncured parts }
A61F 2002/30044	.....	{ differing in melting temperature }
A61F 2002/30046	.....	{ differing in thermal conductivity }
A61F 2002/30047	.....	{ differing in colour }
A61F 2002/30049	.....	{ differing in optical properties }
A61F 2002/30051	.....	{ differing in corrosion resistance }
A61F 2002/30052	.....	{ differing in electric properties }
A61F 2002/30054	.....	{ differing in electromagnetical properties }

A61F 2002/30056	.....	{ differing in radiographic density }
A61F 2002/30057	.....	{ made from both cortical and cancellous adjacent parts }
A61F 2002/30059	.....	{ differing in bone mineralization, e.g. made from both mineralized and demineralized adjacent parts }
A61F 2002/3006	.....	{ Properties of materials and coating materials }
A61F 2002/30062	.....	{ (bio)absorbable, biodegradable, bioerodable, (bio)resorbable, resorptive }
A61F 2002/30064	.....	{ Coating or prosthesis-covering structure made of biodegradable material }
A61F 2002/30065	.....	{ thermoplastic, i.e. softening or fusing when heated, and hardening and becoming rigid again when cooled }
A61F 2002/30067	.....	{ Coating or prosthesis-covering structure made of thermoplastic material }
A61F 2002/30069	.....	{ elastomeric }
A61F 2002/3007	.....	{ Coating or prosthesis-covering structure made of elastic material, e.g. of elastomer }
A61F 2002/30072	.....	{ Coating made of plastically deformable or self-moulding material }
A61F 2002/30074	.....	{ stretchable }
A61F 2002/30075	.....	{ swellable, e.g. when wetted }
A61F 2002/30077	.....	{ shrinkable }
A61F 2002/30079	.....	{ magnetic }
A61F 2002/3008	.....	{ radio-opaque, e.g. radio-opaque markers }
A61F 2002/30082	.....	{ radioactive }
A61F 2002/30084	.....	{ Materials having a crystalline structure }
A61F 2002/30085	.....	{ anisotropic }
A61F 2002/30087	.....	{ piezoelectric }
A61F 2002/30088	.....	{ Phase change materials (PCM), e.g. for storing latent heat }
A61F 2002/3009	.....	{ Transparent or translucent }
A61F 2002/30092	.....	{ using shape memory or superelastic materials, e.g. nitinol }
A61F 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 }
A61F 2002/30095	.....	{ operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply }
A61F 2002/30097	.....	{ cooled }
A61F 2002/30098	.....	{ electrically, e.g. heated by resistor }
A61F 2002/301	.....	{ electromagnetically }
A61F 2002/30102	.....	{ using a fluid, e.g. circulating }
A61F 2002/30103	.....	{ heated by light }
A61F 2002/30105	.....	{ ultrasonically }
A61F 2002/30107	.....	{ using materials or accessories for preventing galvanic or electrolytic corrosion }

A61F 2002/30108	....	{ Shapes }
A61F 2002/3011	.....	{ Cross-sections or two-dimensional shapes }
A61F 2002/30112	.....	{ Rounded shapes, e.g. with rounded corners }
A61F 2002/30113	.....	{ circular }
A61F 2002/30115	.....	{ circular-O-shaped }
A61F 2002/30116	.....	{ partial circles, i.e. circular segments }
A61F 2002/30118	.....	{ concentric circles }
A61F 2002/3012	.....	{ intersecting circles }
A61F 2002/30121	.....	{ with lobes }
A61F 2002/30123	.....	{ with two diametrically opposed lobes }
A61F 2002/30125	.....	{ elliptical or oval }
A61F 2002/30126	.....	{ oval-O-shaped }
A61F 2002/30128	.....	{ concentric ellipses }
A61F 2002/3013	.....	{ figure-"8"- or hourglass-shaped }
A61F 2002/30131	.....	{ horseshoe- or crescent- or C-shaped or U-shaped }
A61F 2002/30133	.....	{ kidney-shaped or bean-shaped }
A61F 2002/30135	.....	{ S-shaped or Z-shaped }
A61F 2002/30136	.....	{ undulated or wavy, e.g. serpentine-shaped or zigzag-shaped }
A61F 2002/30138	.....	{ Convex polygonal shapes }
A61F 2002/3014	.....	{ decagonal }
A61F 2002/30141	.....	{ dodecagonal }
A61F 2002/30143	.....	{ hexagonal }
A61F 2002/30144	.....	{ Honeycomb pattern }
A61F 2002/30146	.....	{ octagonal }
A61F 2002/30148	.....	{ lozenge- or diamond-shaped }
A61F 2002/30149	.....	{ pentagonal }
A61F 2002/30151	.....	{ rhomboidal or parallelogram-shaped }
A61F 2002/30153	.....	{ rectangular }
A61F 2002/30154	.....	{ square }
A61F 2002/30156	.....	{ triangular }
A61F 2002/30158	.....	{ trapezoidal }
A61F 2002/30159	.....	{ Concave polygonal shapes }
A61F 2002/30161	.....	{ arrow-shaped }
A61F 2002/30163	.....	{ cruciform, different from X-shaped }
A61F 2002/30164	.....	{ dovetail-shaped }
A61F 2002/30166	.....	{ H-shaped or I-shaped }
A61F 2002/30168	.....	{ L-shaped }
A61F 2002/30169	.....	{ Pi-shaped }
A61F 2002/30171	.....	{ rosette- or star-shaped }
A61F 2002/30172	.....	{ T-shaped }

A61F 2002/30174	.....	{ the upper branch of the T being inclined with respect to its main branch }
A61F 2002/30176	.....	{ V-shaped }
A61F 2002/30177	.....	{ W-shaped, M-shaped or sigma shaped }
A61F 2002/30179	.....	{ X-shaped }
A61F 2002/30181	.....	{ Y-shaped }
A61F 2002/30182	.....	{ Other shapes }
A61F 2002/30184	.....	{ Alpha-shaped }
A61F 2002/30186	.....	{ B-shaped }
A61F 2002/30187	.....	{ D-shaped or half-disc-shaped }
A61F 2002/30189	.....	{ E-shaped or epsilon-shaped }
A61F 2002/30191	.....	{ heart-shaped }
A61F 2002/30192	.....	{ J-shaped }
A61F 2002/30194	.....	{ quarter-disc-shaped }
A61F 2002/30196	.....	{ Psi-shaped or fork-shaped }
A61F 2002/30197	.....	{ Omega-shaped }
A61F 2002/30199	.....	{ Three-dimensional shapes }
A61F 2002/302	.....	{ toroidal, e.g. rings }
A61F 2002/30202	.....	{ half-tores }
A61F 2002/30204	.....	{ toric }
A61F 2002/30205	.....	{ conical }
A61F 2002/30207	.....	{ Double convex cones, i.e. element having two convex cones, one at each of its opposite ends }
A61F 2002/30209	.....	{ Cones of elliptical or oval basis }
A61F 2002/3021	.....	{ frustoconical }
A61F 2002/30212	.....	{ Half-cones }
A61F 2002/30214	.....	{ having tapered sections of different conicities }
A61F 2002/30215	.....	{ Stepped cones, i.e. having discrete diameter changes }
A61F 2002/30217	.....	{ hollow cones, e.g. tubular-like cones }
A61F 2002/30219	.....	{ the inner and outer surfaces having different conicities }
A61F 2002/3022	.....	{ Half tubular-like cones }
A61F 2002/30222	.....	{ concentric tubular-like cones }
A61F 2002/30224	.....	{ cylindrical }
A61F 2002/30225	.....	{ Flat cylinders, i.e. discs }
A61F 2002/30227	.....	{ arched, domed or vaulted }
A61F 2002/30228	.....	{ Cylinders of elliptical or oval basis }
A61F 2002/3023	.....	{ wedge-shaped cylinders }
A61F 2002/30232	.....	{ Half-cylinders }
A61F 2002/30233	.....	{ Stepped cylinders, i.e. having discrete diameter changes }
A61F 2002/30235	.....	{ tubular, e.g. sleeves }

A61F 2002/30237	.....	{ partial tubes }
A61F 2002/30238	.....	{ half tubes }
A61F 2002/3024	.....	{ concentric tubes }
A61F 2002/30242	.....	{ spherical }
A61F 2002/30243	.....	{ the overall spherical surface being composed of a plurality of adjacent circular or polygonal segments, e.g. football-like shaped }
A61F 2002/30245	.....	{ Partial spheres }
A61F 2002/30247	.....	{ Hemispheres or half-spheres }
A61F 2002/30248	.....	{ Quarter-spheres }
A61F 2002/3025	.....	{ hollow spheres }
A61F 2002/30252	.....	{ quadric-shaped }
A61F 2002/30253	.....	{ ellipsoidal or ovoid }
A61F 2002/30255	.....	{ hyperboloidal }
A61F 2002/30257	.....	{ paraboloidal }
A61F 2002/30258	.....	{ elliptic paraboloid }
A61F 2002/3026	.....	{ hyperbolic paraboloid }
A61F 2002/30261	.....	{ parallelepipedal }
A61F 2002/30263	.....	{ cubical }
A61F 2002/30265	.....	{ Flat parallelepipeds }
A61F 2002/30266	.....	{ wedge-shaped parallelepipeds }
A61F 2002/30268	.....	{ Partial parallelepipeds }
A61F 2002/3027	.....	{ Stepped parallelepipeds }
A61F 2002/30271	.....	{ hollow parallelepipeds }
A61F 2002/30273	.....	{ pyramidal }
A61F 2002/30275	.....	{ tetrahedral, i.e. having a triangular basis }
A61F 2002/30276	.....	{ frustopyramidal }
A61F 2002/30278	.....	{ hollow pyramids }
A61F 2002/3028	.....	{ polyhedral different from parallelepipedal and pyramidal }
A61F 2002/30281	.....	{ wedge-shaped }
A61F 2002/30283	.....	{ hollow }
A61F 2002/30285	.....	{ rugby-ball-shaped }
A61F 2002/30286	.....	{ barrel-shaped }
A61F 2002/30288	.....	{ bottle-shaped }
A61F 2002/30289	.....	{ helically-coiled }
A61F 2002/30291	.....	{ spirally-coiled, i.e. having a 2-D spiral cross-section }
A61F 2002/30293	.....	{ Cylindrical body made by spirally rolling up a sheet or a strip around itself }
A61F 2002/30294	.....	{ Conical or frustoconical body made by spirally rolling up a sheet or a strip around itself }
A61F 2002/30296	.....	{ logarithmic spiral }

A61F 2002/30298	.....	{ Parallelepipedal body made by spirally rolling up a sheet or a strip around itself }
A61F 2002/30299	.....	{ umbrella-shaped or mushroom-shaped }
A61F 2002/30301	.....	{ saddle-shaped }
A61F 2002/30303	.....	{ polypod-shaped }
A61F 2002/30304	.....	{ nose-shaped }
A61F 2002/30306	.....	{ harpoon-shaped }
A61F 2002/30308	.....	{ banana-shaped }
A61F 2002/30309	.....	{ hat-shaped }
A61F 2002/30311	.....	{ doughnut-shaped }
A61F 2002/30313	.....	{ pear-shaped }
A61F 2002/30314	.....	{ bell-shaped }
A61F 2002/30316	....	{ The prosthesis having different structural features at different locations within the same prosthesis; Connections between prosthetic parts; Special structural features of bone or joint prostheses not otherwise provided for }
A61F 2002/30317	.....	{ The prosthesis having different structural features at different locations within the same prosthesis }
A61F 2002/30319	.....	{ differing in moment of inertia }
A61F 2002/30321	.....	{ differing in roughness }
A61F 2002/30322	.....	{ differing in surface structures }
A61F 2002/30324	.....	{ differing in thickness }
A61F 2002/30326	.....	{ differing in height or in length }
A61F 2002/30327	.....	{ differing in diameter }
A61F 2002/30329	.....	{ Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements }
A61F 2002/30331	.....	{ made by longitudinally pushing a protrusion into a complementarily-shaped recess, e.g. held by friction fit }
A61F 2002/30332	.....	{ Conically- or frustoconically-shaped protrusion and recess }
A61F 2002/30334	.....	{ Cone of elliptical or oval basis }
A61F 2002/30336	.....	{ Stepped cones, i.e. having discrete diameter changes }
A61F 2002/30337	.....	{ Inverted concave conical connections, e.g. for opposing disconnection }
A61F 2002/30339	.....	{ Double cones, i.e. connecting element having two conical connections, one at each of its opposite ends }
A61F 2002/30341	.....	{ both cones being convex, i.e. male tapers }
A61F 2002/30342	.....	{ both cones being concave, i.e. female tapers }
A61F 2002/30344	.....	{ one cone being convex and the other being concave }
A61F 2002/30345	.....	{ Multiple conical connection, i.e. the protrusion and recess having several tapered sections of different complementary conicities }
A61F 2002/30347	.....	{ Protrusion and recess of complementarily-tapered undulated or serrated cross-section }

A61F 2002/30349	.....	{ the male and female complementary cones being of different conicities, i.e. for reducing the contact area }
A61F 2002/3035	.....	{ the male convex cone having an inner female concave taper }
A61F 2002/30352	.....	{ Protrusion and recess of D-shaped cross-section }
A61F 2002/30354	.....	{ Cylindrically-shaped protrusion and recess, e.g. cylinder of circular basis }
A61F 2002/30355	.....	{ Cylinder of elliptical or oval basis }
A61F 2002/30357	.....	{ Stepped cylinders, i.e. having discrete diameter changes }
A61F 2002/30359	.....	{ Pyramidally- or frustopyramidally-shaped protrusion and recess }
A61F 2002/3036	.....	{ Protrusion and recess of kidney-shaped cross-section }
A61F 2002/30362	.....	{ with possibility of relative movement between the protrusion and the recess }
A61F 2002/30364	.....	{ Rotation about the common longitudinal axis }
A61F 2002/30365	.....	{ with additional means for limiting said rotation }
A61F 2002/30367	.....	{ with additional means for preventing said rotation }
A61F 2002/30369	.....	{ Limited lateral translation of the protrusion within a larger recess }
A61F 2002/3037	.....	{ Translation along the common longitudinal axis, e.g. piston }
A61F 2002/30372	.....	{ with additional means for limiting said translation }
A61F 2002/30373	.....	{ with additional means for preventing said translation }
A61F 2002/30375	.....	{ with an intermediate bushing or sleeve between the moving parts }
A61F 2002/30377	.....	{ Protrusion and recess of constant polygonal, serrated or undulated cross-section }
A61F 2002/30378	.....	{ Spherically-shaped protrusion and recess }
A61F 2002/3038	.....	{ made by pushing a key or a peg into a mating slot or hole }
A61F 2002/30382	.....	{ made by pushing lateral pegs into mating lateral slots or bores }
A61F 2002/30383	.....	{ made by laterally inserting a protrusion, e.g. a rib into a complementarily-shaped groove }
A61F 2002/30385	.....	{ the rib and groove having non-parallel, e.g. conically-tapered, cooperating sides, e.g. having a trapezoidal front cross-section }
A61F 2002/30387	.....	{ Dovetail connection }
A61F 2002/30388	.....	{ Half-dovetail }
A61F 2002/3039	.....	{ with possibility of relative movement of the rib within the groove }
A61F 2002/30392	.....	{ Rotation }
A61F 2002/30393	.....	{ with additional means for limiting said rotation }
A61F 2002/30395	.....	{ with additional means for preventing or locking said rotation }
A61F 2002/30397	.....	{ Limited lateral translation of the rib within a larger groove }
A61F 2002/30398	.....	{ Sliding }
A61F 2002/304	.....	{ with additional means for limiting said sliding }

A61F 2002/30401	.....	{ with additional means for preventing or locking said sliding }
A61F 2002/30403	.....	{ Longitudinally-oriented cooperating ribs and grooves on mating lateral surfaces of a mainly longitudinal connection }
A61F 2002/30405	.....	{ made by screwing complementary threads machined on the parts themselves }
A61F 2002/30406	.....	{ Threads machined on spherical, e.g. hemispherical, surfaces }
A61F 2002/30408	.....	{ Conical threadings }
A61F 2002/3041	.....	{ having threaded portions of different pitches }
A61F 2002/30411	.....	{ 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 }
A61F 2002/30413	.....	{ having threads of increasing height or depth }
A61F 2002/30415	.....	{ with additional means for limiting the length of the movement of the male threads within the female threads }
A61F 2002/30416	.....	{ Microthreads }
A61F 2002/30418	.....	{ Double or multiple threadings }
A61F 2002/3042	.....	{ with a pin cooperating with a helical groove }
A61F 2002/30421	.....	{ Rounded threads }
A61F 2002/30423	.....	{ Stepped cylindrical threads, i.e. having discrete diameter changes }
A61F 2002/30425	.....	{ Square threads }
A61F 2002/30426	.....	{ Bayonet coupling }
A61F 2002/30428	.....	{ made by inserting a protrusion into a slot }
A61F 2002/30429	.....	{ made by inserting a hook into a cooperating slot }
A61F 2002/30431	.....	{ made by first pushing a necked button longitudinally and then sliding it laterally within a keyhole slot }
A61F 2002/30433	.....	{ using additional screws, bolts, dowels or rivets, e.g. connecting screws }
A61F 2002/30434	.....	{ using bolts }
A61F 2002/30436	.....	{ using dowels }
A61F 2002/30438	.....	{ using nuts }
A61F 2002/30439	.....	{ Screw head protectors }
A61F 2002/30441	.....	{ using rivets or directly riveted }
A61F 2002/30443	.....	{ using washers }
A61F 2002/30444	.....	{ Split washers }
A61F 2002/30446	.....	{ Spring washers, e.g. Belleville washers }
A61F 2002/30448	.....	{ using adhesives }
A61F 2002/30449	.....	{ the adhesive being cement }
A61F 2002/30451	.....	{ soldered or brazed or welded }
A61F 2002/30453	.....	{ brazed }
A61F 2002/30454	.....	{ by high energy welding, e.g. laser beam welding, electron beam welding, plasma welding }

A61F 2002/30456	.....	{ by spot welding }
A61F 2002/30457	.....	{ by ultrasonic or sonic welding }
A61F 2002/30459	.....	{ stapled }
A61F 2002/30461	.....	{ sutured, ligatured or stitched }
A61F 2002/30462	.....	{ retained or tied with a rope, string, thread, wire or cable }
A61F 2002/30464	.....	{ using bands, belts or straps }
A61F 2002/30466	.....	{ being elastic }
A61F 2002/30467	.....	{ using hook and loop-type fasteners }
A61F 2002/30469	.....	{ using band clamps }
A61F 2002/30471	.....	{ connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type }
A61F 2002/30472	.....	{ using connecting nails or pins }
A61F 2002/30474	.....	{ using an intermediate sleeve interposed between both prosthetic parts to be coupled }
A61F 2002/30476	.....	{ locked by an additional locking mechanism }
A61F 2002/30477	.....	{ using sharp protrusions, e.g. spikes, for anchoring into connecting prosthetic part }
A61F 2002/30479	.....	{ using a locking ball }
A61F 2002/30481	.....	{ using a locking clip }
A61F 2002/30482	.....	{ using a locking cam }
A61F 2002/30484	.....	{ Mechanically expandable devices located on the first prosthetic part for locking into or onto the second prosthetic part }
A61F 2002/30485	.....	{ plastically deformable }
A61F 2002/30487	.....	{ Circumferential cooperating grooves and beads on cooperating lateral surfaces of a mainly longitudinal connection }
A61F 2002/30489	.....	{ Circumferential cooperating serrations }
A61F 2002/3049	.....	{ using a slidable sleeve covering the connection }
A61F 2002/30492	.....	{ using a locking pin }
A61F 2002/30494	.....	{ Cooperating protrusions and recesses, e.g. radial serrations, located on abutting end surfaces of a longitudinal connection }
A61F 2002/30495	.....	{ using a locking ring }
A61F 2002/30497	.....	{ Split ring, e.g. circlip }
A61F 2002/30499	.....	{ Wire ring }
A61F 2002/305	.....	{ Snap connection }
A61F 2002/30502	.....	{ Press-buttons }
A61F 2002/30504	.....	{ made by laterally snapping a peg or a like protrusion into a mating detent, hole or slot }
A61F 2002/30505	.....	{ spring biased }
A61F 2002/30507	.....	{ using a threaded locking member, e.g. a locking screw or a set screw }
A61F 2002/30509	.....	{ using a traction locking screw }
A61F 2002/3051	.....	{ using a locking bolt or a set bolt }

A61F 2002/30512	.....	{ using a locking nut or a set nut }
A61F 2002/30514	.....	{ using a locking washer }
A61F 2002/30515	.....	{ using a locking wedge or block }
A61F 2002/30517	.....	{ using a locking plate }
A61F 2002/30518	.....	{ with possibility of relative movement between the prosthetic parts }
A61F 2002/3052	.....	{ unrestrained in only one direction, e.g. moving unidirectionally }
A61F 2002/30522	.....	{ releasable, e.g. using a releasable ratchet }
A61F 2002/30523	.....	{ by means of meshing gear teeth }
A61F 2002/30525	.....	{ Worm gears }
A61F 2002/30527	.....	{ using a gear box }
A61F 2002/30528	.....	{ Means for limiting said movement }
A61F 2002/3053	.....	{ having additional means for preventing unwanted connections }
A61F 2002/30532	.....	{ for preventing connection between parts of wrong sizes or orientations }
A61F 2002/30533	.....	{ for preventing permanent connection between prosthetic parts and trial parts }
A61F 2002/30535	.....	{ Special structural features of bone or joint prostheses not otherwise provided for }
A61F 2002/30537	.....	{ adjustable }
A61F 2002/30538	.....	{ for adjusting angular orientation }
A61F 2002/3054	.....	{ 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 }
A61F 2002/30542	.....	{ at continuous positions }
A61F 2002/30543	.....	{ at only two discrete angular positions, e.g. located at 180 degrees intervals }
A61F 2002/30545	.....	{ for adjusting a diameter }
A61F 2002/30546	.....	{ for adjusting elasticity, flexibility, spring rate or mechanical tension }
A61F 2002/30548	.....	{ for adjusting fluid pressure }
A61F 2002/3055	.....	{ for adjusting length }
A61F 2002/30551	.....	{ at different discrete positions, e.g. at equidistant intervals }
A61F 2002/30553	.....	{ for adjusting a position by translation along an axis }
A61F 2002/30555	.....	{ along two perpendicular axes }
A61F 2002/30556	.....	{ for adjusting thickness }
A61F 2002/30558	.....	{ Force-limiting means }
A61F 2002/3056	.....	{ Torque-limiting means }
A61F 2002/30561	.....	{ breakable or frangible }
A61F 2002/30563	.....	{ having elastic means or damping means, different from springs, e.g. including an elastomeric core or shock absorbers }
A61F 2002/30565	.....	{ having spring elements }
A61F 2002/30566	.....	{ Helical springs }

A61F 2002/30568	.....	{ Multiple spring systems including two or more helical springs }
A61F 2002/3057	.....	{ Concentric outer and inner helical springs }
A61F 2002/30571	.....	{ Leaf springs }
A61F 2002/30573	.....	{ 2-D spiral springs }
A61F 2002/30574	.....	{ with an integral complete or partial collar or flange }
A61F 2002/30576	.....	{ with extending fixation tabs }
A61F 2002/30578	.....	{ having apertures, e.g. for receiving fixation screws }
A61F 2002/30579	.....	{ with mechanically expandable devices, e.g. fixation devices }
A61F 2002/30581	.....	{ having a pocket filled with fluid, e.g. liquid }
A61F 2002/30583	.....	{ filled with hardenable fluid, e.g. curable in-situ }
A61F 2002/30584	.....	{ filled with gas }
A61F 2002/30586	.....	{ having two or more inflatable pockets or chambers }
A61F 2002/30588	.....	{ filled with solid particles }
A61F 2002/30589	.....	{ Sealing means }
A61F 2002/30591	.....	{ O-rings }
A61F 2002/30593	.....	{ hollow }
A61F 2002/30594	.....	{ slotted }
A61F 2002/30596	.....	{ slots ending in apertures, e.g. for avoiding stress concentration at the ends of the slots }
A61F 2002/30598	.....	{ Plurality of slots }
A61F 2002/30599	.....	{ stackable }
A61F 2002/30601	.....	{ telescopic }
A61F 2002/30602	.....	{ Shaft made of a bundle of anchoring rods or bristles, e.g. fasciculate shaft }
A61F 2002/30604	.....	{ modular }
A61F 2002/30606	.....	{ Sets comprising both cemented and non-cemented endoprostheses }
A61F 2002/30607	.....	{ Kits of prosthetic parts to be assembled in various combinations for forming different prostheses }
A61F 2002/30609	.....	{ Sets comprising both coated and non-coated endoprostheses }
A61F 2002/30611	.....	{ Nested prosthetic parts }
A61F 2002/30612	.....	{ Pre-assembled implant modules }
A61F 2002/30614	.....	{ Sets comprising both primary and revision endoprostheses }
A61F 2002/30616	.....	{ Sets comprising a plurality of prosthetic parts of different sizes or orientations }
A61F 2002/30617	.....	{ Visible markings for adjusting, locating or measuring }
A61F 2002/30619	.....	{ Wire rings }
A61F 2002/30621	....	{ Features concerning the anatomical functioning or articulation of the prosthetic joint }
A61F 2002/30622	.....	{ Implant for fusing a joint or bone material }
A61F 2002/30624	.....	{ Hinged joint, e.g. with transverse axle restricting the movement }
A61F 2002/30626	.....	{ allowing only for single rotation }

A61F 2002/30627	.....	{ by means of cooperating stepped cylindrical surfaces }
A61F 2002/30629	.....	{ of the pin-guiding groove linkage type }
A61F 2002/3063	.....	{ having bearing bushes between the rotating parts }
A61F 2002/30632	.....	{ with rotation-limiting stops, e.g. projections or recesses }
A61F 2002/30634	.....	{ biaxial }
A61F 2002/30635	.....	{ Cardan or gimbal joints }
A61F 2002/30637	.....	{ Dual arrangement of two adjacent hinged joints }
A61F 2002/30639	.....	{ having rolling elements between both articulating surfaces }
A61F 2002/3064	.....	{ Ball bearings }
A61F 2002/30642	.....	{ having a single rolling (or sliding) ball articulating between two cups }
A61F 2002/30644	.....	{ Roller bearings }
A61F 2002/30645	.....	{ Needle bearings }
A61F 2002/30647	.....	{ Joints made of two toroidal rings engaged together }
A61F 2002/30649	.....	{ Ball-and-socket joints }
A61F 2002/3065	.....	{ Details of the ball-shaped head }
A61F 2002/30652	.....	{ Special cut-outs, e.g. flat or grooved cut-outs }
A61F 2002/30654	.....	{ Details of the concave socket }
A61F 2002/30655	.....	{ Non-spherical concave inner surface }
A61F 2002/30657	.....	{ made of different partially-spherical concave portions }
A61F 2002/30658	.....	{ having a central conforming area surrounded by a peripheral annular non-conforming area }
A61F 2002/3066	.....	{ having a central non-conforming area surrounded by a peripheral annular conforming area }
A61F 2002/30662	.....	{ with rotation-limiting means }
A61F 2002/30663	.....	{ multiaxial, e.g. biaxial; multipolar, e.g. bipolar or having an intermediate shell articulating between the ball and the socket }
A61F 2002/30665	.....	{ Dual arrangement of two adjacent ball-and-socket joints }
A61F 2002/30667	....	{ Features concerning an interaction with the environment or a particular use of the prosthesis }
A61F 2002/30668	.....	{ Means for transferring electromagnetic energy to implants }
A61F 2002/3067	.....	{ for data transfer }
A61F 2002/30672	.....	{ temporary }
A61F 2002/30673	.....	{ Lubricating means, e.g. synovial pocket }
A61F 2002/30675	.....	{ Means for regulating synovial fluid pressure }
A61F 2002/30677	.....	{ Means for introducing or releasing pharmaceutical products, e.g. antibiotics, into the body }
A61F 2002/30678	.....	{ Gene therapy }
A61F 2002/3068	.....	{ the pharmaceutical product being in a reservoir }
A61F 2002/30682	.....	{ Means for preventing migration of particles released by the joint, e.g. wear debris or cement particles }

A61F 2002/30683	.....	{ Means for collecting wear particles in a hollow cavity inside the prosthesis }
A61F 2002/30685	.....	{ Means for reducing or preventing the generation of wear particulates }
A61F 2002/30686	.....	{ Devices for removing particulate debris from prosthetic joints }
A61F 2002/30688	.....	{ Means for allowing passage or sliding of tendons or ligaments }
A61F 2002/3069	.....	{ Revision endoprostheses }
A61F 2002/30691	.....	{ Drainage means, e.g. for evacuating blood or other fluids }
A61F 2002/30693	.....	{ Air venting means }
A61F 2002/30695	.....	{ Sound-damping or noise-reducing means }
A61F 2002/30696	.....	{ Means for preventing the accidental forgetting of prosthetic parts inside the body during operation }
A61F 2002/30698	.....	{ Alarm means }
A61F 2002/307	.....	{ Prostheses for animals }
A61F 2002/30701	.....	{ for cats }
A61F 2002/30703	.....	{ for dogs }
A61F 2002/30705	.....	{ for horses }
A61F 2002/30706	.....	{ specially designed for children, e.g. having means for adjusting to their growth }
A61F 2002/30708	.....	{ Means for distinguishing between left-sided and right-sided devices, Sets comprising both left-sided and right-sided prosthetic parts }
A61F 2002/3071	.....	{ Identification means; Administration of patients }
A61F 2002/30711	.....	{ with bar code }
A61F 2002/30713	.....	{ colour-coded }
A61F 2002/30714	.....	{ coded with symbols, e.g. dots, numbers, letters, words }
A61F 2002/30716	.....	{ for single use, e.g. having means for preventing re-use }
A61F 2002/30718	.....	{ Means for protecting prosthetic parts, e.g. during operation }
A61F 2002/30719	.....	{ Means for cleaning prostheses }
A61F 2/30721	...	{ Accessories }
A61F 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) }
A61F 2/30724	....	{ Spacers for centering an implant in a bone cavity, e.g. in a cement-receiving cavity }
A61F 2002/30726	.....	{ Centering or guiding rods, e.g. for insertion of femoral shafts }
A61F 2/30728	....	{ Collars; Bone edge protectors (A61F 2/30734 takes precedence; sealing collars for use during cementing A61B 17/8808) }
A61F 2002/30729	.....	{ Separate collars }
A61F 2002/30731	.....	{ Bone edge protectors }
A61F 2002/30733	....	{ Inserts placed into an endoprosthetic cavity, e.g. for modifying a material property }
A61F 2/30734	....	{ Modular inserts, sleeves or augments, e.g. placed on proximal part of stem for fixation purposes or wedges for bridging a bone defect }

A61F 2002/30736	.....	{ Augments or augmentation pieces, e.g. wedges or blocks for bridging a bone defect }
A61F 2002/30738	.....	{ Sleeves }
A61F 2/30739	....	{ 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)}
A61F 2002/30741	.....	{ for the lesser trochanter }
A61F 2/30742	....	{ Bellows or hose-like seals; Sealing membranes (A61B 17/8808 takes precedence; sealing membranes for retaining bone substitute A61F 2/2846)}
A61F 2/30744	....	{ End caps, e.g. for closing an endoprosthetic cavity }
A61F 2002/30746	.....	{ closable by a rotation different from screwing or bayonet coupling, e.g. about the cap central longitudinal axis }
A61F 2002/30747	.....	{ closable by translation }
A61F 2/30749	....	{ Fixation appliances for connecting prostheses to the body }
A61F 2002/30751	.....	{ for attaching cartilage scaffolds to underlying bone }
A61F 2002/30752	.....	{ by means of a bed of granular material }
A61F 2002/30754	....	{ Implants for interposition between two natural articular surfaces }
A61F 2/30756	...	{ Cartilage endoprostheses (A61F 2/3603 takes precedence)}
A61F 2002/30757	....	{ made of a sheet covering the natural articular surface, e.g. cap }
A61F 2002/30759	....	{ Mosaicplasty, i.e. using a plurality of individual cartilage plugs for filling a substantial cartilage defect }
A61F 2002/30761	....	{ Support means for artificial cartilage, e.g. cartilage defect covering membranes }
A61F 2002/30762	....	{ Means for culturing cartilage }
A61F 2002/30764	....	{ Cartilage harvest sites }
A61F 2002/30766	....	{ Scaffolds for cartilage ingrowth and regeneration }
A61F 2/30767	...	{ Special external and/or bone-contacting surfaces, e.g. coating for improving bone ingrowth (materials for coating prostheses A61L 27/28)}
A61F 2002/30769	....	{ madreporic }
A61F 2/30771	....	{ applied in original prostheses, e.g. holes, grooves (etching the surface A61F 2/30767)}
A61F 2002/30772	.....	{ Apertures or holes, e.g. of circular cross section }
A61F 2002/30774	.....	{ internally-threaded }
A61F 2002/30775	.....	{ with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread }
A61F 2002/30777	.....	{ Oblong apertures }
A61F 2002/30779	.....	{ arcuate }
A61F 2002/3078	.....	{ having an undulated contour, e.g. made of intercommunicating circular holes }
A61F 2002/30782	.....	{ inclined obliquely }
A61F 2002/30784	.....	{ Plurality of holes }
A61F 2002/30785	.....	{ parallel }

A61F 2002/30787	.....	{ inclined obliquely w.r.t. each other }
A61F 2002/30789	.....	{ perpendicular w.r.t. each other }
A61F 2002/3079	.....	{ Stepped or enlarged apertures, e.g. having discrete diameter changes }
A61F 2002/30792	.....	{ Dual tapered apertures }
A61F 2002/30794	.....	{ the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap }
A61F 2002/30795	.....	{ Blind bores, e.g. of circular cross-section }
A61F 2002/30797	.....	{ internally-threaded }
A61F 2002/30799	.....	{ with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread }
A61F 2002/308	.....	{ oblong }
A61F 2002/30802	.....	{ arcuate }
A61F 2002/30803	.....	{ inclined obliquely }
A61F 2002/30805	.....	{ Recesses of comparatively large area w.r.t. their low depth }
A61F 2002/30807	.....	{ Plurality of blind bores }
A61F 2002/30808	.....	{ parallel }
A61F 2002/3081	.....	{ inclined obliquely w.r.t. each other }
A61F 2002/30812	.....	{ perpendicular w.r.t. each other }
A61F 2002/30813	.....	{ Stepped or enlarged blind bores, e.g. having discrete diameter changes }
A61F 2002/30815	.....	{ the enlarged portion being used for receiving and hiding a screw head, a nut or a closing cap }
A61F 2002/30817	.....	{ Intersecting or overlapping blind bores }
A61F 2002/30818	.....	{ castellated or crenellated }
A61F 2002/3082	.....	{ Grooves }
A61F 2002/30822	.....	{ Circumferential grooves }
A61F 2002/30823	.....	{ having the shape of a reverse dovetail }
A61F 2002/30825	.....	{ arcuate }
A61F 2002/30827	.....	{ Plurality of grooves }
A61F 2002/30828	.....	{ parallel }
A61F 2002/3083	.....	{ inclined obliquely with respect to each other }
A61F 2002/30831	.....	{ perpendicular with respect to each other }
A61F 2002/30833	.....	{ with enlarged portion }
A61F 2002/30835	.....	{ for receiving and hiding a screw head or a nut }
A61F 2002/30836	.....	{ knurled }
A61F 2002/30838	.....	{ Microstructures }
A61F 2002/3084	.....	{ Nanostructures }
A61F 2002/30841	.....	{ Sharp anchoring protrusions for impaction into the bone, e.g. sharp pins, spikes }
A61F 2002/30843	.....	{ Pyramidally-shaped }
A61F 2002/30845	.....	{ with cutting edges }

A61F 2002/30846	.....	{ circular }
A61F 2002/30848	.....	{ straight }
A61F 2002/3085	.....	{ with a threaded, e.g. self-tapping, bone-engaging surface, e.g. external surface }
A61F 2002/30851	.....	{ Multiple threadings }
A61F 2002/30853	.....	{ Double threadings }
A61F 2002/30855	.....	{ Quadruple or higher rank multiple threadings }
A61F 2002/30856	.....	{ Triple threadings }
A61F 2002/30858	.....	{ Threads interrupted by grooves or sidewalls, e.g. flat sidewalls }
A61F 2002/30859	.....	{ having threaded portions of different pitches }
A61F 2002/30861	.....	{ having threads of increasing or decreasing height }
A61F 2002/30863	.....	{ the entry end surface having flutes, relief grooves, starter notches or beveled indentations }
A61F 2002/30864	.....	{ Microthreads }
A61F 2002/30866	.....	{ Rounded threads }
A61F 2002/30868	.....	{ Square, rectangular or rhomboidal threads }
A61F 2002/30869	.....	{ Dovetail-shaped }
A61F 2002/30871	.....	{ Trapezoidal threads }
A61F 2002/30873	.....	{ Threadings machined on non-cylindrical external surfaces }
A61F 2002/30874	.....	{ on conical, e.g. frustoconical, surfaces }
A61F 2002/30876	.....	{ on spherical, e.g. hemispherical, surfaces }
A61F 2002/30878	.....	{ with non-sharp protrusions, for instance contacting the bone for anchoring, e.g. keels, pegs, pins, posts, shanks, stems, struts }
A61F 2002/30879	.....	{ Ribs }
A61F 2002/30881	.....	{ Circumferential ribs }
A61F 2002/30883	.....	{ dovetail-shaped }
A61F 2002/30884	.....	{ Fins or wings, e.g. longitudinal wings for preventing rotation within the bone cavity }
A61F 2002/30886	.....	{ externally-threaded }
A61F 2002/30887	.....	{ with two portions of opposite threads, i.e. a right-hand thread and a left-hand thread }
A61F 2002/30889	.....	{ Arcuate pegs }
A61F 2002/30891	.....	{ Plurality of protrusions }
A61F 2002/30892	.....	{ parallel }
A61F 2002/30894	.....	{ inclined obliquely w.r.t. each other }
A61F 2002/30896	.....	{ perpendicular w.r.t. each other }
A61F 2002/30897	.....	{ Stepped protrusions, i.e. having discrete diameter changes }
A61F 2002/30899	.....	{ Protrusions pierced with apertures }
A61F 2002/30901	.....	{ longitudinally }
A61F 2002/30902	.....	{ laterally or radially }
A61F 2002/30904	.....	{ serrated profile, i.e. saw-toothed }

A61F 2002/30906	....	{ shot- sand- or grit-blasted }
A61F 2/30907	....	{ Nets or sleeves applied to surface of prostheses or in cement }
A61F 2002/30909	.....	{ Nets }
A61F 2002/30911	.....	{ having a honeycomb structure }
A61F 2002/30912	.....	{ made of expanded metal, e.g. diamond mesh or metal nets having lozenge-shaped apertures }
A61F 2002/30914	.....	{ Details of the mesh structure, e.g. disposition of the woven warp and weft wires }
A61F 2002/30915	.....	{ made of a stack of bonded perforated sheets, grids or wire meshes }
A61F 2002/30917	.....	{ for avoiding direct contact between bone and implant, e.g. extensible membrane for preventing contamination or for easy removal }
A61F 2002/30919	.....	{ Sleeves }
A61F 2002/3092	....	{ having an open-celled or open-pored structure }
A61F 2002/30922	....	{ Hardened surfaces }
A61F 2002/30924	.....	{ by shot peening }
A61F 2002/30925	....	{ etched }
A61F 2002/30927	.....	{ Electrolytic etching }
A61F 2002/30929	....	{ having at least two superposed coatings }
A61F 2002/3093	....	{ for promoting ingrowth of bone tissue }
A61F 2002/30932	....	{ for retarding or preventing ingrowth of bone tissue }
A61F 2002/30934	....	{ Special articulating surfaces }
A61F 2002/30935	.....	{ Concave articulating surface composed of a central conforming area surrounded by a peripheral annular non-conforming area }
A61F 2002/30937	.....	{ with cut-outs }
A61F 2002/30939	.....	{ Means for modifying the geometry of articulating surfaces, e.g. for compensating excessive clearance caused by wear }
A61F 2/3094	...	{ Designing or manufacturing processes (not used, see subgroups)}
A61F 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)}
A61F 2002/30943	.....	{ using mathematical models }
A61F 2002/30945	.....	{ using geometrical models }
A61F 2002/30947	.....	{ Fractal geometry }
A61F 2002/30948	.....	{ using computerized tomography, i.e. CT scans }
A61F 2002/3095	.....	{ using computerized axial tomography, i.e. CAT scans }
A61F 2002/30952	.....	{ using CAD-CAM techniques or NC-techniques }
A61F 2002/30953	.....	{ using a remote computer network, e.g. Internet }
A61F 2002/30955	.....	{ using finite-element analysis }
A61F 2002/30957	.....	{ using a positive or a negative model, e.g. moulds }
A61F 2002/30958	.....	{ using lost patterns, e.g. lost wax }
A61F 2002/3096	.....	{ trimmed or cut to a customised size }

A61F 2002/30962	.....	{ using stereolithography }
A61F 2002/30963	.....	{ using templates, e.g. grid charts }
A61F 2/30965	....	{ Reinforcing the prosthesis by embedding particles or fibres during moulding or dipping }
A61F 2002/30967	....	{ Diffusion bonding }
A61F 2002/30968	....	{ Sintering }
A61F 2002/3097	....	{ using laser }
A61F 2002/30971	....	{ Laminates, i.e. layered products }
A61F 2002/30973	.....	{ Two joined adjacent layers having complementary interlocking protrusions and recesses }
A61F 2002/30975	....	{ made of two halves }
A61F 2002/30976	....	{ using hydrojet }
A61F 2002/30978	....	{ using electrical discharge machining (EDM) }
A61F 2002/3098	....	{ using physical vapour deposition (PVD) }
A61F 2002/30981	....	{ using chemical vapour deposition (CVD) }
A61F 2002/30983	....	{ using electrostatic spray deposition (ESD) }
A61F 2002/30985	....	{ using three dimensional printing (3DP) }
A61F 2002/30986	....	{ using hot isostatic pressing (HIP) }
A61F 2/30988	...	{ Other joints not covered by any of the groups A61F 2/32 to A61F 2/4425 }
A61F 2/3099	....	{ for temporo-mandibular [TM, TMJ] joints (endoprotheses for mandibular reconstruction A61F 2/2803) }
A61F 2002/30991	.....	{ Mandibular components }
A61F 2002/30993	.....	{ Temporal components }
A61F 2002/30995	....	{ for sacro-iliac joints }
A61F 2002/30996	....	{ for sterno-clavicular joints }
A61F 2002/30998	....	{ for acromio-clavicular joints }
A61F 2/32	...	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

A61F 2002/3208	....	{ 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 }
A61F 2002/3216	.....	{ tripolar }
A61F 2002/3225	....	{ 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 }
A61F 2002/3233	....	{ having anti-luxation means for preventing complete dislocation of the femoral head from the acetabular cup }
A61F 2002/3241	....	{ having a ring, e.g. for locking the femoral head into the acetabular cup }
A61F 2002/325	.....	{ Split ring }

A61F 2002/3258	.....	{ Elastic or split ring, slidable from a first insertion position to a second locked position }
A61F 2002/3266	.....	{ Wire ring }
A61F 2002/3275	.....	{ Partial ring, i.e. not extending along the entire equatorial circumference }
A61F 2002/3283	.....	{ having two rings }
A61F 2002/3291	.....	{ for locking two concentric acetabular shells }
A61F 2/34	....	Acetabular cups
A61F 2002/3401	.....	{ with radial apertures, e.g. radial bores for receiving fixation screws }
A61F 2002/3403	.....	{ Polar aperture }
A61F 2002/3404	.....	{ internally-threaded }
A61F 2002/3406	.....	{ Oblong apertures }
A61F 2002/3408	.....	{ 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 }
A61F 2002/3409	.....	{ having a bayonet coupling between an outer shell and a bearing insert }
A61F 2002/3411	.....	{ having a snap connection between two concentric shells }
A61F 2002/3412	.....	{ with pins or protrusions, e.g. non-sharp pins or protrusions projecting from a shell surface }
A61F 2002/3414	.....	{ Polar protrusion, e.g. for centering two concentric shells }
A61F 2002/3416	.....	{ externally-threaded }
A61F 2002/3417	.....	{ the outer shell having protrusions on meridian lines, e.g. equidistant fins or wings around the equatorial zone }
A61F 2002/3419	.....	{ Meridian ribs }
A61F 2002/342	.....	{ the outer shell having circumferential protrusions parallel to the equatorial plane, e.g. circumferential fins or wings }
A61F 2002/3422	.....	{ Circumferential ribs }
A61F 2002/3424	.....	{ arranged in rows, the circumferential ribs covering only partially the outer shell surface, e.g. located in the equatorial zone }
A61F 2002/3425	.....	{ the outer shell having non-meridian protrusions, e.g. fins or wings, located in planes inclined or perpendicular w.r.t. the equatorial plane }
A61F 2002/3427	.....	{ Non-meridian ribs, e.g. parallel ribs, inclined or perpendicular w.r.t. the equatorial plane }
A61F 2002/3429	.....	{ with an integral peripheral collar or flange, e.g. oriented away from the shell centre line }
A61F 2002/343	.....	{ partial, i.e. not extending along the entire equatorial circumference }
A61F 2002/3432	.....	{ having apertures for receiving fixation screws }
A61F 2002/3433	.....	{ with cut-outs, e.g. for allowing escape of excess bone cement }
A61F 2002/3435	.....	{ peripheral lip, e.g. elastic lip }
A61F 2002/3437	.....	{ oriented inwardly towards the shell centre line }
A61F 2002/3438	.....	{ hollow, e.g. clearance between inner and outer shells }
A61F 2002/344	.....	{ the inner shell having an inner hip femoral head-receiving cavity offset from its centre line }

A61F 2002/3441	.....	{ the outer shell having an outer surface and an inner insert receiving cavity being angularly inclined w.r.t. the longitudinal axis of the outer surface }
A61F 2002/3443	.....	{ with an anti-luxation elevated rim portion, e.g. on the inner shell }
A61F 2002/3445	.....	{ having a number of shells different from two }
A61F 2002/3446	.....	{ Single cups }
A61F 2002/3448	.....	{ Multiple cups made of three or more concentric shells fitted or nested into one another }
A61F 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 }
A61F 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 }
A61F 2002/3453	.....	{ having a non-hemispherical convex outer surface, e.g. quadric-shaped }
A61F 2002/3454	.....	{ having an oblong, oval or elliptical cross-section in the equatorial plane }
A61F 2002/3456	.....	{ ellipsoidal or having a flattened polar region }
A61F 2002/3458	.....	{ having a flattened polar plane }
A61F 2002/3459	.....	{ made of different partially-spherical portions }
A61F 2002/3461	.....	{ having a lower equatorial peripheral spherical portion and an upper polar spherical portion, e.g. of differing radii or centres of rotation }
A61F 2002/3462	.....	{ having a frustoconical external shape, e.g. entirely frustoconical }
A61F 2002/3464	.....	{ partially frustoconical }
A61F 2002/3466	.....	{ having a cylindrical external shape, e.g. entirely cylindrical }
A61F 2002/3467	.....	{ partially cylindrical }
A61F 2002/3469	.....	{ with non-radial inner bores or canals }
A61F 2002/347	.....	{ with a slotted shell, e.g. outer shell having radial or meridian slots }
A61F 2002/3472	.....	{ with one radial or meridian slot ending in a polar aperture }
A61F 2002/3474	.....	{ slots ending in non-polar apertures }
A61F 2002/3475	.....	{ horizontal slots, i.e. parallel to the equatorial plane }
A61F 2002/3477	.....	{ arcuate slots }
A61F 2002/3479	.....	{ Cage-like shells, e.g. hemispherical outer shells made of meridian strips or wires connected to an equatorial strip, rim or wire }
A61F 2002/348	.....	{ Additional features }
A61F 2002/3482	.....	{ Two hemispherical halves having completely different structures }
A61F 2002/3483	.....	{ having a convex shape, e.g. hemispherical heads }
A61F 2002/3485	.....	{ Shells made of block segments linked by thin connecting strips }
A61F 2002/3487	.....	{ Partial acetabular cups, e.g. strips replacing only partially the natural acetabular cartilage }
A61F 2002/3488	.....	{ for allowing sliding or for preventing hurting of the psoas muscle }
A61F 2002/349	.....	{ Shell having a wavy or undulated peripheral rim }

A61F 2002/3491	.....	{ partial, i.e. not extending along the entire equatorial circumference }
A61F 2002/3493	.....	{ Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees }
A61F 2002/3495	.....	{ Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees }
A61F 2002/3496	.....	{ having a non-spherical concave inner surface }
A61F 2002/3498	.....	{ made of different partially-spherical concave portions }
A61F 2/36	....	Femoral heads; { Femoral endoprotheses }
A61F 2/3601	.....	{ for replacing only the epiphyseal or metaphyseal parts of the femur, e.g. endoprothetic 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)}
A61F 2/3603	.....	{ implanted without ablation of the whole natural femoral head (endoprothetic cartilage A61F 2/30756)}
A61F 2002/3605	.....	{ made of two or more concentric caps fitted onto one another }
A61F 2/3607	.....	{ including proximal or total replacement of the femur }
A61F 2/3609	.....	{ Femoral heads or necks; Connections of endoprothetic heads or necks to endoprothetic femoral shafts (A61F 2/3601 takes precedence)}
A61F 2002/3611	.....	{ Heads or epiphyseal parts of femur }
A61F 2002/3613	.....	{ with lateral or oblique apertures, holes or openings }
A61F 2002/3615	.....	{ having a concave shape, e.g. hemispherical cups }
A61F 2002/3617	.....	{ with special cut-outs, e.g. flat cut-outs for inserting the head into a cooperating shell, in a given insertion position }
A61F 2002/3619	.....	{ hollow }
A61F 2002/3621	.....	{ pierced with a longitudinal bore }
A61F 2002/3623	.....	{ Non-spherical heads }
A61F 2002/3625	.....	{ Necks }
A61F 2002/3627	.....	{ with lateral apertures, holes or openings }
A61F 2002/3629	.....	{ inclined obliquely }
A61F 2002/3631	.....	{ with an integral complete or partial peripheral collar or bearing shoulder at its base }
A61F 2002/3633	.....	{ with an integral protrusion extending distally under the collar }
A61F 2002/3635	.....	{ having a separate element placed under the collar }
A61F 2002/3637	.....	{ with an angled portion, e.g. oriented towards the lesser trochanter }
A61F 2002/3639	.....	{ with cut-outs }
A61F 2002/3641	.....	{ pierced with apertures perpendicular to the collar longitudinal axis }
A61F 2002/3643	.....	{ pierced with apertures parallel or oblique w.r.t. the collar longitudinal axis }
A61F 2002/3645	.....	{ hollow }
A61F 2002/3647	.....	{ pierced with a longitudinal bore }
A61F 2002/3649	.....	{ offset from the neck central longitudinal axis }

A61F 2002/365	.....	{ Connections of heads to necks }
A61F 2002/3652	.....	{ Connections of necks to shafts }
A61F 2002/3654	.....	{ Connections of heads directly to shafts }
A61F 2002/3656	.....	{ with angular positioning means for selecting any one of a plurality of radial orientations, e.g. at discrete positions }
A61F 2002/3658	.....	{ Two angular positions, e.g. located at 180 degrees intervals }
A61F 2002/366	.....	{ at continuous positions }
A61F 2/3662	.....	{ Femoral shafts }
A61F 2002/3664	.....	{ with non-sharp protrusions }
A61F 2002/3666	.....	{ Circumferential flanges or fins }
A61F 2002/3668	.....	{ Longitudinal fins or wings, e.g. for preventing rotation within the intramedullary bone cavity }
A61F 2/367	.....	{ Proximal or metaphyseal parts of shafts (trochanteric devices connected to said proximal parts A61F 2/30739) }
A61F 2/3672	.....	{ Intermediate parts of shafts }
A61F 2002/3674	.....	{ Connections of proximal parts to distal parts }
A61F 2/3676	.....	{ Distal or diaphyseal parts of shafts }
A61F 2002/3678	.....	{ Geometrical features }
A61F 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 }
A61F 2002/3682	.....	{ Oblong apertures }
A61F 2002/3684	.....	{ inclined obliquely w.r.t. the shaft longitudinal axis, e.g. along the neck axis }
A61F 2002/3686	.....	{ bent }
A61F 2002/3688	.....	{ with opposite proximal and distal curvatures, i.e. S-shaped shaft }
A61F 2002/369	.....	{ Stepped shaft, i.e. having discrete diameter changes }
A61F 2002/3692	.....	{ hollow }
A61F 2002/3694	.....	{ with longitudinal bores }
A61F 2002/3696	.....	{ slotted }
A61F 2002/3698	.....	{ twisted about the longitudinal axis of the shaft }
A61F 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

A61F 2/3804	....	{ for elbows }
A61F 2002/3809	.....	{ for radio-humeral joints }
A61F 2002/3813	.....	{ for ulno-humeral joints }
A61F 2002/3818	.....	{ for proximal radio-ulnar joints, i.e. PRU joints }
A61F 2002/3822	.....	{ Humeral components }

A61F 2002/3827	.....	{ Radial components }
A61F 2002/3831	.....	{ Ulnar components }
A61F 2/3836	....	{ Special connection between upper and lower leg, e.g. constrained }
A61F 2/384	.....	{ hinged, i.e. with transverse axle restricting the movement }
A61F 2/3845	.....	{ allowing only for single rotation }
A61F 2/385	.....	{ also provided with condylar bearing surfaces }
A61F 2/3854	.....	{ with ball and socket joint }
A61F 2/3859	....	{ Femoral components }
A61F 2002/3863	.....	{ Condyles fitted on an anchored base }
A61F 2/3868	....	{ with sliding tibial bearing }
A61F 2/3872	....	{ Meniscus for implantation between the natural bone surfaces }
A61F 2/3877	....	{ Patellae or trochleae }
A61F 2002/3881	.....	{ with moving parts }
A61F 2/3886	....	{ for stabilising knees against anterior or lateral dislocations }
A61F 2/389	....	{ Tibial components (A61F 2/3868 takes precedence)}
A61F 2002/3895	....	{ unicompartmental }
A61F 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

A61F 2/4003	....	{ Replacing only the epiphyseal or metaphyseal parts of the humerus, i.e. endoprosthesis not comprising an entire humeral shaft (replacing only the epiphyseal or metaphyseal parts of the femur A61F 2/3601)}
A61F 2002/4007	.....	{ implanted without ablation of the whole natural humeral head }
A61F 2002/4011	....	{ including proximal or total replacement of the humerus }
A61F 2/4014	....	{ Humeral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic humeral shafts }
A61F 2002/4018	.....	{ Heads or epiphyseal parts of humerus }
A61F 2002/4022	.....	{ having a concave shape, e.g. hemispherical cups }
A61F 2002/4025	.....	{ hollow }
A61F 2002/4029	.....	{ Necks }
A61F 2002/4033	.....	{ with an integral complete or partial peripheral collar at its base }
A61F 2002/4037	.....	{ Connections of heads to necks }
A61F 2002/404	.....	{ with a clearance between proximal end of neck and inner end of head }
A61F 2002/4044	.....	{ Connections of necks to shafts }
A61F 2002/4048	.....	{ with an inner clearance between both parts }
A61F 2002/4051	.....	{ Connections of heads directly to shafts }
A61F 2002/4055	.....	{ with an inner clearance between both parts }
A61F 2/4059	....	{ Humeral shafts }

A61F 2002/4062	.....	{ Proximal or metaphyseal parts of shafts }
A61F 2002/4066	.....	{ for replacement or reinforcement of the greater tubercle }
A61F 2002/407	.....	{ Intermediate parts of shafts }
A61F 2002/4074	.....	{ Connections of proximal or metaphyseal parts to distal or diaphyseal parts }
A61F 2002/4077	.....	{ Distal or diaphyseal parts of shafts }
A61F 2/4081	....	{ Glenoid components, e.g. cups }
A61F 2002/4085	.....	{ having a convex shape, e.g. hemispherical heads }
A61F 2002/4088	....	{ Acromial components }
A61F 2002/4092	....	{ Clavicular components }
A61F 2002/4096	....	{ Coracoid process components }
A61F 2/42	...	for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes
A61F 2/4202	....	{ for ankles }
A61F 2002/4205	.....	{ Tibial components }
A61F 2002/4207	.....	{ Talar components }
A61F 2002/421	.....	{ Fibular components, e.g. fibular-malleolar shields }
A61F 2002/4212	.....	{ Tarsal bones }
A61F 2002/4215	.....	{ Lateral row of tarsal bones }
A61F 2002/4217	.....	{ Calcaneum or calcaneus or heel bone }
A61F 2002/422	.....	{ Medial row of tarsal bones }
A61F 2002/4223	.....	{ Implants for correcting a flat foot }
A61F 2/4225	....	{ for feet, e.g. toes }
A61F 2002/4228	.....	{ for interphalangeal joints, i.e. IP joints }
A61F 2002/423	.....	{ for big or great toes }
A61F 2002/4233	.....	{ for metatarso-phalangeal joints, i.e. MTP joints }
A61F 2002/4235	.....	{ for big or great toes }
A61F 2002/4238	.....	{ for tarso-metatarsal joints, i.e. TMT joints }
A61F 2/4241	....	{ for hands, e.g. fingers }
A61F 2002/4243	.....	{ for interphalangeal joints, i.e. IP joints }
A61F 2002/4246	.....	{ for distal interphalangeal joints, i.e. DIP joints }
A61F 2002/4248	.....	{ for proximal interphalangeal joints, i.e. PIP joints }
A61F 2002/4251	.....	{ for metacarpo-phalangeal joints, i.e. MCP or MP joints, e.g. knuckle joints }
A61F 2002/4253	.....	{ for thumbs }
A61F 2002/4256	.....	{ for carpo-metacarpal joints, i.e. CMC joints }
A61F 2002/4258	.....	{ for trapezo-metacarpal joints of thumbs }
A61F 2/4261	....	{ for wrists }
A61F 2002/4264	.....	{ for radio-carpal joints }
A61F 2002/4266	.....	{ for ulno-carpal joints }
A61F 2002/4269	.....	{ for distal radio-ulnar joints, i.e. DRU joints }

A61F 2002/4271	.....	{ Carpal bones }
A61F 2002/4274	.....	{ Distal carpal row, i.e. bones adjacent the metacarpal bones }
A61F 2002/4276	.....	{ Trapezium }
A61F 2002/4279	.....	{ Trapezoid }
A61F 2002/4282	.....	{ Capitate }
A61F 2002/4284	.....	{ Hamate }
A61F 2002/4287	.....	{ Proximal carpal row, i.e. bones adjacent the radius and the ulna }
A61F 2002/4289	.....	{ Scaphoid or navicular bone }
A61F 2002/4292	.....	{ Lunate }
A61F 2002/4294	.....	{ Triquetrum }
A61F 2002/4297	.....	{ Pisiform bone }
A61F 2/44	...	for the spine, e.g. vertebrae, spinal discs
A61F 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) }
A61F 2/441	....	{ made of inflatable pockets or chambers filled with fluid, e.g. with hydrogel }
A61F 2002/4415	....	{ elements of the prosthesis being arranged in a chain like manner }
A61F 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) }
A61F 2/4425	.....	{ made of articulated components }
A61F 2002/443	.....	{ having two transversal endplates and at least one intermediate component }
A61F 2002/4435	.....	{ Support means or repair of the natural disc wall, i.e. annulus, e.g. using plates, membranes or meshes }
A61F 2002/444	.....	{ for replacing the nucleus pulposus }
A61F 2002/4445	.....	{ Means for culturing intervertebral disc tissue }
A61F 2002/445	.....	{ Intervertebral disc tissue harvest sites }
A61F 2/4455	....	{ for the fusion of spinal bodies, e.g. intervertebral fusion of adjacent spinal bodies, e.g. fusion cages (intervertebral discs A61F 2/442) }
A61F 2/446	.....	{ having a circular or elliptical cross-section substantially parallel to the axis of the spine, e.g. cylinders or frustocones }
A61F 2/4465	.....	{ having a circular or kidney shaped cross-section substantially perpendicular to the axis of the spine }
A61F 2/447	.....	{ substantially parallelepipedal, e.g. having a rectangular or trapezoidal cross-section }
A61F 2002/4475	....	{ hollow }
A61F 2002/448	....	{ comprising multiple adjacent spinal implants within the same intervertebral space or within the same vertebra, e.g. comprising two adjacent spinal implants }
A61F 2002/4485	.....	{ comprising three or more adjacent spinal implants }
A61F 2002/449	....	{ comprising multiple spinal implants located in different intervertebral spaces or in different vertebrae }
A61F 2002/4495	....	{ having a fabric structure e.g. made from wires or fibres }

A61F 2/46	...	Special tools or methods for implanting or extracting artificial joints, accessories, bone grafts or substitutes, or particular adaptations therefor
A61F 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) }
A61F 2002/4602	.....	{ for compacting }
A61F 2/4603	....	{ for insertion or extraction of endoprosthetic joints or of accessories thereof }
A61F 2/4605	.....	{ of elbows }
A61F 2/4606	.....	{ of wrists or ankles; of hands, e.g. fingers; of feet, e.g. toes }
A61F 2/4607	.....	{ of hip femoral endoprostheses }
A61F 2/4609	.....	{ of acetabular cups }
A61F 2/461	.....	{ of knees }
A61F 2/4611	.....	{ of spinal prostheses }
A61F 2/4612	.....	{ of shoulders }
A61F 2/4614	.....	{ of plugs for sealing a cement-receiving space }
A61F 2002/4615	.....	{ of spacers }
A61F 2002/4616	.....	{ of temporo-mandibular joints }
A61F 2/4618	.....	{ of cartilage }
A61F 2002/4619	.....	{ for extraction }
A61F 2002/462	.....	{ of broken endoprosthetic joint parts }
A61F 2002/4622	.....	{ having the shape of a forceps or a clamp }
A61F 2002/4623	.....	{ having a handle portion, e.g. integral with the implanting tool }
A61F 2002/4624	.....	{ releasable from the implanting tool }
A61F 2002/4625	.....	{ with relative movement between parts of the instrument during use }
A61F 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 }
A61F 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 }
A61F 2002/4629	.....	{ connected to the endoprosthesis or implant via a threaded connection }
A61F 2002/4631	....	{ the prosthesis being specially adapted for being cemented }
A61F 2002/4632	....	{ using computer-controlled surgery, e.g. robotic surgery }
A61F 2002/4633	.....	{ for selection of endoprosthetic joints or for pre-operative planning }
A61F 2002/4635	....	{ using minimally invasive surgery }
A61F 2002/4636	.....	{ through the hip femoral neck }
A61F 2/4637	....	{ for connecting or disconnecting two parts of a prosthesis }
A61F 2002/4638	.....	{ Tools for performing screwing, e.g. nut or screwdrivers, or particular adaptations therefor }
A61F 2002/464	.....	{ of end caps for closing a prosthetic cavity }
A61F 2002/4641	.....	{ for disconnecting }
A61F 2002/4642	.....	{ for inserting or connecting a locking mechanism }

A61F 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)}
A61F 2002/4645	.....	{ Devices for grinding or milling bone material }
A61F 2002/4646	.....	{ Devices for cleaning bone graft }
A61F 2002/4648	.....	{ Means for culturing bone graft }
A61F 2002/4649	.....	{ Bone graft or bone dowel harvest sites }
A61F 2002/465	....	{ using heating means }
A61F 2002/4651	.....	{ Electric or electromagnetic heating }
A61F 2002/4653	....	{ using cooling means }
A61F 2002/4654	.....	{ Cryogenic cooling }
A61F 2002/4655	....	{ for introducing lubricating fluid }
A61F 2/4657	....	{ Measuring instruments used for implanting artificial joints (for surgical instruments A61B 19/46)}
A61F 2002/4658	.....	{ for measuring dimensions, e.g. length }
A61F 2002/4659	.....	{ for measuring a diameter }
A61F 2002/4661	.....	{ for measuring thickness }
A61F 2002/4662	.....	{ for measuring penetration depth }
A61F 2002/4663	.....	{ for measuring volumes or other three-dimensional shapes }
A61F 2002/4664	.....	{ for measuring conicities }
A61F 2002/4666	.....	{ for measuring force, pressure or mechanical tension }
A61F 2002/4667	.....	{ for measuring torque }
A61F 2002/4668	.....	{ for measuring angles }
A61F 2002/467	.....	{ for measuring fluid pressure }
A61F 2002/4671	.....	{ for measuring resonant frequency }
A61F 2002/4672	.....	{ for measuring temperature }
A61F 2002/4674	.....	{ for measuring the pH }
A61F 2/4675	....	{ for cleaning or coating bones, e.g. bone cavities, prior to endoprosthesis implantation or bone cement introduction (for cleaning teeth cavities A61C 17/00 ; irrigators A61M 3/02)}
A61F 2002/4676	.....	{ for coating the bony surface }
A61F 2002/4677	....	{ using a guide wire }
A61F 2002/4679	....	{ having quick release means }
A61F 2/468	....	{ Testing instruments for artificial joints (for testing non-implantable prostheses A61F 2/76)}
A61F 2002/4681	....	{ by applying mechanical shocks, e.g. by hammering }
A61F 2002/4683	.....	{ by applying ultrasonic vibrations }
A61F 2/4684	....	{ Trial or dummy prostheses }
A61F 2002/4685	....	{ by means of vacuum }
A61F 2002/4687	....	{ Mechanical guides for implantation instruments }
A61F 2002/4688	....	{ having operating or control means }
A61F 2002/4689	.....	{ acoustic }

A61F 2002/469	.....	{ electrical }
A61F 2002/4692	.....	{ fluid }
A61F 2002/4693	.....	{ hydraulic }
A61F 2002/4694	.....	{ pneumatic }
A61F 2002/4696	.....	{ optical }
A61F 2002/4697	.....	{ visual }
A61F 2002/4698	.....	{ magnetic }
A61F 2002/48	..	{ Operating or control means }
A61F 2002/481	...	{ acoustic or audible }
A61F 2002/482	...	{ electrical }
A61F 2002/484	...	{ fluid }
A61F 2002/485	....	{ hydraulic }
A61F 2002/487	....	{ pneumatic }
A61F 2002/488	...	{ Means for detecting or monitoring wear }
A61F 2/50	.	Prostheses not implantable in the body {(closure means for urethra or rectum or for artificial body openings therefor A61F 2/0004)}
A61F 2002/5001	..	{ Cosmetic coverings }
A61F 2002/5003	..	{ having damping means, e.g. shock absorbers (for implantable joints A61F 2002/30563)}
A61F 2002/5004	...	{ operated by electro- or magnetorheological fluids }
A61F 2002/5006	...	{ Dampers, e.g. hydraulic damper }
A61F 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)}
A61F 2002/5009	...	{ having two or more elastomeric blocks }
A61F 2002/501	..	{ 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)}
A61F 2002/5012	...	{ having two or more inflatable pockets }
A61F 2002/5013	...	{ filled with particles (for joints A61F 2002/30588)}
A61F 2002/5015	...	{ hardenable fluid, e.g. curable in-situ or cold-hardening casting substance }
A61F 2002/5016	..	{ adjustable (for implantable prostheses A61F 2002/30537)}
A61F 2002/5018	...	{ for adjusting angular orientation }
A61F 2002/502	...	{ for adjusting length (for implantable joints A61F 2002/3055)}
A61F 2002/5021	...	{ for adjusting a position by translation along an axis }
A61F 2002/5023	....	{ along two perpendicular axes }
A61F 2002/5024	...	{ for adjusting thickness }
A61F 2002/5026	...	{ for adjusting a diameter }
A61F 2002/5027	...	{ for adjusting cross-section }
A61F 2002/5029	...	{ for adjusting weight or mass }
A61F 2002/503	...	{ for adjusting elasticity, flexibility, spring rate or mechanical tension }

A61F 2002/5032	...	{ for adjusting fluid pressure (inflatable pockets A61F 2002/501 , A61F 2/602 , A61F 2/7843 ; fluid operating or control means A61F 2002/74)}
A61F 2002/5033	...	{ for adjusting damping (damping means A61F 2002/5003)}
A61F 2002/5035	...	{ for adjusting volume flow }
A61F 2002/5036	...	{ self-adjustable, e.g. self-learning }
A61F 2002/5038	..	{ Hinged joint, e.g. with transverse axle restricting the movement (for implantable joints A61F 2002/30624)}
A61F 2002/5039	...	{ allowing only for single rotation }
A61F 2002/5041	...	{ having bearing bushes between the rotating parts }
A61F 2002/5043	...	{ with rotation-limiting stops, e.g. projections or recesses }
A61F 2/5044	..	{ Designing or manufacturing processes (not used, see subgroup)}
A61F 2/5046	...	{ for designing or making customized prostheses, e.g. using templates, finite-element analysis or CAD-CAM techniques }
A61F 2002/5047	....	{ using mathematical models (A61F 2002/505 takes precedence)}
A61F 2002/5049	.....	{ Computer aided shaping, e.g. rapid prototyping }
A61F 2002/505	....	{ using CAD-CAM techniques or NC-techniques }
A61F 2002/5052	....	{ Direct moulding or reforming to the stump }
A61F 2002/5053	....	{ using a positive or a negative model, e.g. casting model or mould }
A61F 2002/5055	...	{ Reinforcing prostheses by embedding particles or fibres during moulding or dipping, e.g. carbon fibre composites }
A61F 2002/5056	...	{ Laminates, i.e. layered products }
A61F 2002/5058	..	{ having means for restoring the perception of senses }
A61F 2002/5059	...	{ the feeling of position }
A61F 2002/5061	...	{ the sense of touch }
A61F 2002/5063	...	{ the feeling of temperature, i.e. of warmth or cold }
A61F 2002/5064	...	{ for reducing pain from phantom limbs }
A61F 2002/5066	..	{ Muscles (implantable A61F 2002/0894)}
A61F 2002/5067	..	{ having rolling elements between articulating surfaces (for implantable joints A61F 2002/30639)}
A61F 2002/5069	...	{ Ball bearings }
A61F 2002/507	...	{ Roller bearings }
A61F 2002/5072	..	{ having spring elements (spring-biased locking means A61F 2002/30505 ; for implantable joints A61F 2002/30565 ; other elastic means A61F 2002/5007)}
A61F 2002/5073	...	{ Helical springs, e.g. having at least one helical spring }
A61F 2002/5075	....	{ Multiple spring systems including two or more helical springs }
A61F 2002/5076	.....	{ Concentric outer and inner helical springs }
A61F 2002/5078	...	{ 2-D spiral springs }
A61F 2002/5079	...	{ Leaf springs (A61F 2002/6657 takes precedence)}
A61F 2002/5081	..	{ Additional features (for implantable joints A61F 2002/30535)}
A61F 2002/5083	...	{ modular }
A61F 2002/5084	...	{ telescopic (adjusting length A61F 2002/502)}
A61F 2002/5086	...	{ Lubricating means }

A61F 2002/5087	...	{ Sound-damping or noise-reducing means }
A61F 2002/5089	...	{ waterproof }
A61F 2002/509	...	{ specially designed for children, e.g. having means for adjusting to their growth (implantable A61F 2250/0082)}
A61F 2002/5092	...	{ Identification means (for implantable prostheses A61F 2250/0085)}
A61F 2002/5093	..	{ Tendon- or ligament-replacing cables (implantable A61F 2/08)}
A61F 2002/5095	...	{ for Achilles tendons }
A61F 2002/5096	..	{ Ball-and-socket joints (for implantable joints A61F 2002/30649)}
A61F 2002/5098	...	{ with rotation-limiting means }
A61F 2/52	..	Mammary prostheses (brassieres A41C 3/00)
A61F 2002/523	...	{ Multiple breast forms made of several concentric breast-shaped layers nested into one another }
A61F 2002/526	...	{ Nipples }
A61F 2/54	..	Artificial arms or hands or parts thereof
A61F 2002/543	...	{ Lower arms or forearms }
A61F 2002/546	...	{ Upper arms }
A61F 2/58	...	Elbows; Wrists; { Other joints; Hands }
A61F 2/581	....	{ Shoulder joints }
A61F 2/582	....	{ Elbow joints }
A61F 2/583	....	{ Hands; Wrist joints }
A61F 2/585	.....	{ Wrist joints }
A61F 2/586	.....	{ Fingers }
A61F 2002/587	.....	{ Thumbs }
A61F 2/588	.....	{ Hands having holding devices shaped differently from human fingers, e.g. claws, hooks, tubes }
A61F 2/60	..	Artificial legs or feet or parts thereof
A61F 2/601	...	{ Peg legs, e.g. wooden legs }
A61F 2/602	...	{ with air cushions (A61F 2/7843 takes precedence)}
A61F 2/604	...	{ Joints for artificial legs (A61F 2/605 , A61F 2/64 , A61F 2/6607 take precedence)}
A61F 2/605	...	{ Hip joints }
A61F 2002/607	...	{ Lower legs }
A61F 2002/608	...	{ Upper legs }
A61F 2/64	...	Knee joints
A61F 2/642	....	{ Polycentric joints, without longitudinal rotation }
A61F 2/644	.....	{ of the single-bar or multi-bar linkage type }
A61F 2/646	.....	{ of the pin-guiding groove linkage type }
A61F 2002/648	....	{ Patellae }
A61F 2/66	...	Feet; Ankle joints
A61F 2/6607	....	{ Ankle joints }
A61F 2002/6614	....	{ Feet }

A61F 2002/6621	.....	{ Toes }
A61F 2002/6628	.....	{ Big toes }
A61F 2002/6635	.....	{ Metatarsals }
A61F 2002/6642	.....	{ Heels }
A61F 2002/665	.....	{ Soles }
A61F 2002/6657	.....	{ having a plate-like or strip-like spring element, e.g. an energy-storing cantilever spring keel }
A61F 2002/6664	.....	{ Dual structures made of two connected cantilevered leaf springs }
A61F 2002/6671	.....	{ C-shaped }
A61F 2002/6678	.....	{ L-shaped }
A61F 2002/6685	.....	{ S-shaped }
A61F 2002/6692	.....	{ circular or loop-shaped }
A61F 2/68	..	Operating or control means
A61F 2002/6809	...	{ acoustic }
A61F 2002/6818	...	{ for braking }
A61F 2002/6827	...	{ Feedback system for providing user sensation, e.g. by force, contact or position }
A61F 2002/6836	...	{ Gears specially adapted therefor, e.g. reduction gears }
A61F 2002/6845	...	{ Clutches }
A61F 2002/6854	...	{ for locking or unlocking a joint }
A61F 2002/6863	...	{ magnetic (magnetic prosthetic parts A61F 2002/30079)}
A61F 2002/6872	...	{ attached and mechanically operated by remaining muscle (bioelectrical control A61F 2/72)}
A61F 2002/6881	...	{ optical }
A61F 2002/689	...	{ Alarm means, e.g. acoustic }
A61F 2/70	...	electrical { not used, see A61F 2/68 and A61F 2/72 }
A61F 2002/701	....	{ operated by electrically controlled means, e.g. solenoids or torque motors }
A61F 2002/702	....	{ Battery-charging stations }
A61F 2002/704	....	{ computer-controlled, e.g. robotic control }
A61F 2002/705	....	{ Electromagnetic data transfer (for implantable prostheses A61F 2/027)}
A61F 2002/707	....	{ Remote control }
A61F 2002/708	....	{ electrically self charging }
A61F 2/72	....	Bioelectrical control, e.g. myoelectric
A61F 2002/74	...	{ fluid, i.e. hydraulic or pneumatic (inflatable pocket filled with fluid A61F 2002/501)}
A61F 2002/741	....	{ using powered actuators, e.g. stepper motors or solenoids }
A61F 2002/742	....	{ Low pressure systems, e.g. vacuum pump }
A61F 2002/744	....	{ Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons }
A61F 2002/745	....	{ hydraulic }
A61F 2002/747	....	{ pneumatic }

A61F 2002/748	....	{ Valve systems }
A61F 2/76	..	Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing, { e.g. alignment means }
A61F 2002/7605	...	{ for assembling by heating (for implanting artificial joints A61F 2002/465) }
A61F 2002/761	...	{ for assembling by cooling (for implanting artificial joints A61F 2002/4653) }
A61F 2002/7615	...	{ Measuring means (for implanting artificial joints A61F 2/4657) }
A61F 2002/762	....	{ for measuring dimensions, e.g. a distance }
A61F 2002/7625	....	{ for measuring angular position }
A61F 2002/763	....	{ for measuring spatial position, e.g. global positioning system (GPS) }
A61F 2002/7635	....	{ for measuring force, pressure or mechanical tension }
A61F 2002/764	....	{ for measuring acceleration }
A61F 2002/7645	....	{ for measuring torque, e.g. hinge or turning moment, moment of force }
A61F 2002/765	....	{ for measuring time or frequency }
A61F 2002/7655	....	{ for measuring fluid pressure }
A61F 2002/766	....	{ for measuring moisture }
A61F 2002/7665	....	{ for measuring temperatures }
A61F 2002/767	....	{ for measuring blood pressure }
A61F 2002/7675	....	{ for measuring oxygen content }
A61F 2002/768	....	{ for measuring battery status }
A61F 2002/7685	....	{ located on natural or sound-site limbs, e.g. comparison measuring means }
A61F 2002/769	....	{ Displaying measured values }
A61F 2002/7695	...	{ Means for testing non-implantable prostheses (for testing implantable prostheses A61F 2240/008 ; for implanting artificial joints A61F 2/468) }
A61F 2/78	..	Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump
A61F 2002/7806	...	{ using adhesive means (for connecting prosthetic parts A61F 2002/30448) }
A61F 2/7812	...	{ Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump }
A61F 2002/7818	....	{ Stockings or socks for the limb stump (cosmetic coverings A61F 2/0059) }
A61F 2002/7825	.....	{ Devices for putting-on or pulling-off stockings }
A61F 2002/7831	.....	{ with a rope for pulling the sock inside the socket }
A61F 2002/7837	....	{ Sleeves for attaching or protecting, i.e. open ended hoses }
A61F 2/7843	....	{ Inflatable bladders }
A61F 2002/785	....	{ Pads, e.g. relief pads }
A61F 2002/7856	...	{ having finger loops or grips }
A61F 2002/7862	...	{ Harnesses, straps (for connecting prosthetic parts A61F 2002/30464) }
A61F 2002/7868	...	{ Means for putting-on or pulling-off prostheses }
A61F 2002/7875	...	{ with releasable ratchets or pegs (snap connections A61F 2002/305 ; pushing a peg into a hole A61F 2002/3038) }
A61F 2002/7881	...	{ using hook and loop-type fasteners (for connecting prosthetic parts A61F 2002/30467) }
A61F 2002/7887	...	{ for connecting limb exoprostheses to the stump bone }

A61F 2002/7893	...	{ using slide fasteners, e.g. zippers }
A61F 2/80	...	Sockets, e.g. of suction type
A61F 2002/802	....	{ Suction sockets, i.e. utilizing differential air pressure to retain the prosthesis on the stump }
A61F 2002/805	.....	{ having an air valve }
A61F 2002/807	.....	{ having a vacuum reservoir chamber }
A61F 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 2/04 ; stent-grafts for blood vessels A61F 2/07 ; instruments specially adapted for placement or removal of stents or stent-grafts A61F 2/95 ; for closing wounds, or holding wounds closed A61B 17/03 ; dilators A61M 29/00)
A61F 2002/821	..	{ Ostial stents }
A61F 2002/823	..	{ Stents, different from stent-grafts, adapted to cover an aneurysm }
A61F 2002/825	..	{ having longitudinal struts }
A61F 2002/826	..	{ more than one stent being applied sequentially }
A61F 2002/828	..	{ Means for connecting a plurality of stents allowing flexibility of the whole structure }
A61F 2/844	..	folded prior to deployment
A61F 2/848	..	having means for fixation to the vessel wall, e.g. barbs
A61F 2002/8483	...	{ Barbs }
A61F 2002/8486	...	{ provided on at least one of the ends }
A61F 2/852	..	Two or more distinct overlapping stents
A61F 2/856	..	Single tubular stent with a side portal passage
A61F 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
A61F 2/88	...	the wire-like elements formed as helical or spiral coils (forming a net-like or mesh-like structure A61F 2/90)
A61F 2/885	....	{ comprising a coil including a plurality of spiral or helical sections with alternate directions around a central axis }
A61F 2/89	...	the wire-like elements comprising two or more adjacent rings flexibly connected by separate members
A61F 2/90	...	characterised by a net-like or mesh-like structure
A61F 2/91	....	made from perforated sheet material or tubes, e.g. perforated by laser cuts or etched holes
A61F 2/915	.....	with bands having a meander structure, adjacent bands being connected to each other
A61F 2002/91508	.....	{ the meander having a difference in amplitude along the band }
A61F 2002/91516	.....	{ the meander having a change in frequency along the band }
A61F 2002/91525	.....	{ within the whole structure different bands showing different meander characteristics, e.g. frequency or amplitude }
A61F 2002/91533	.....	{ characterised by the phase between adjacent bands }
A61F 2002/91541	.....	{ Adjacent bands are arranged out of phase }
A61F 2002/9155	.....	{ Adjacent bands being connected to each other }

- A61F 2002/91558 { connected peak to peak }
- A61F 2002/91566 { connected trough to trough }
- A61F 2002/91575 { connected peak to trough }
- A61F 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 }
- A61F 2002/91591 { Locking connectors, e.g. using male-female connections }
- A61F 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 }
- A61F 2/93 ... circumferentially expandable by using ratcheting locks
- A61F 2/94 .. Stents retaining their form, i.e. not being deformable, after placement in the predetermined place
- A61F 2/945 ... hardenable, e.g. stents formed in situ
- A61F 2/95 . Instruments specially adapted for placement or removal of stents or stent-grafts
- A61F 2002/9505 .. { having retaining means other than an outer sleeve, e.g. male-female connector between stent and instrument }
- A61F 2002/9511 ... { the retaining means being filaments or wires }
- A61F 2002/9517 .. { handle assemblies therefor }
- A61F 2002/9522 .. { Means for mounting a stent onto the placement instrument }
- A61F 2002/9528 .. { for retrieval of stents }
- A61F 2002/9534 .. { for repositioning of stents }
- A61F 2/954 .. for placing stents or stent-grafts in a bifurcation
- A61F 2/958 .. Inflatable balloons for placing stents or stent-grafts
- A61F 2002/9583 ... { Means for holding the stent on the balloon, e.g. using protrusions, adhesives or an outer sleeve }
- A61F 2002/9586 { the means being inside the balloon }
- A61F 2/962 .. having an outer sleeve
- A61F 2/966 ... with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod
- A61F 2002/9665 { with additional retaining means }
- A61F 2/97 ... the outer sleeve being splittable

A61F 3/00 Lengthening pieces for natural legs

A61F 4/00 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 2/68](#); { serving devices for one-handed persons [A47G 21/08](#) })

A61F 5/00 Orthopaedic methods or devices for non-surgical treatment of bones or joints (surgical instruments or methods for treatment of bones or joints, devices specially adapted therefor [A61B 17/56](#)); Nursing devices; { Anti-rape devices } (bandages, dressings or absorbent pads [A61F 13/00](#))

- A61F 5/0003 . { Apparatus for the treatment of obesity; Anti-eating devices (surgical instruments or methods for treatment of obesity, devices specially adapted therefor [A61B 17/00](#); hollow or tubular parts of organs [A61F 2/04](#))}
- A61F 5/0006 .. { Diet or mouth appliances }
- A61F 5/0009 .. { External belts }
- A61F 5/0013 .. { Implantable devices or invasive measures }
- A61F 2005/0016 ... { comprising measuring means }
- A61F 2005/002 { for sensing mechanical parameters }
- A61F 2005/0023 { for sensing chemical parameters }
- A61F 5/0026 ... { Anti-eating devices using electrical stimulation }
- A61F 5/003 ... { inflatable }
- A61F 5/0033 { with more than one chamber }
- A61F 5/0036 ... { Intragastrical devices }
- A61F 5/004 { remotely adjustable }
- A61F 5/0043 { using injection ports }
- A61F 5/0046 { with wireless means }
- A61F 5/005 ... { Gastric bands }
- A61F 5/0053 { remotely adjustable }
- A61F 5/0056 { using injection ports }
- A61F 5/0059 { with wireless means }
- A61F 5/0063 { wrapping the stomach }
- A61F 5/0066 { Closing devices for gastric bands }
- A61F 5/0069 ... { in the wall of the stomach }
- A61F 5/0073 ... { in the abdominal cavity, e.g. not attached to the stomach }
- A61F 5/0076 ... { preventing normal digestion, e.g. Bariatric or gastric sleeves }
- A61F 5/0079 { Pyloric or esophageal obstructions }
- A61F 5/0083 ... { Reducing the size of the stomach, e.g. gastroplasty } (surgical interventions [A61B 17/00](#))
- A61F 5/0086 { using clamps, folding means or the like }
- A61F 5/0089 .. { Instruments for placement or removal }
- A61F 5/0093 . { Rectal devices, e.g. for the treatment of haemorrhoids }
- A61F 5/0096 . { Anti-rape devices }
- A61F 5/01 . Orthopaedic devices, e.g. splints, casts or braces
- A61F 5/0102 .. { specially adapted for correcting deformities of the limbs or for supporting them; Ortheses, e.g. with articulations }
- A61F 5/0104 ... { without articulation }
- A61F 5/0106 { for the knees }
- A61F 5/0109 { Sleeve-like structures }
- A61F 5/0111 { for the feet or ankles }

A61F 5/0113	.....	{ Drop-foot appliances }
A61F 5/0116	.....	{ for connecting the feet to each other or to fixed surroundings (A61F 5/0193 takes precedence)}
A61F 5/0118	....	{ for the arms, hands or fingers }
A61F 5/012	...	{ inflatable }
A61F 5/0123	...	{ for the knees (A61F 5/0106 takes precedence)}
A61F 5/0125	....	{ the device articulating around a single pivot-point }
A61F 5/0127	...	{ for the feet (A61F 5/0111 takes precedence)}
A61F 5/013	...	{ for the arms, hands or fingers (A61F 5/0118 takes precedence)}
A61F 2005/0132	...	{ Additional features of the articulation }
A61F 2005/0134	....	{ with two orthogonal pivots }
A61F 2005/0137	....	{ with two parallel pivots }
A61F 2005/0139	.....	{ geared }
A61F 2005/0141	....	{ with more than two parallel pivots }
A61F 2005/0144	....	{ Multibar }
A61F 2005/0146	....	{ combining rotational and sliding movements, e.g. simulating movements of a natural joint }
A61F 2005/0148	.....	{ Floating pivotal axis }
A61F 2005/0151	....	{ combining rotational and torsional movements }
A61F 2005/0153	....	{ combining rotational and stretching movements }
A61F 2005/0155	....	{ with actuating means }
A61F 2005/0158	....	{ with locking means }
A61F 2005/016	.....	{ in standing position }
A61F 2005/0162	.....	{ when weight is applied }
A61F 2005/0165	....	{ with limits of movement }
A61F 2005/0167	.....	{ adjustable }
A61F 2005/0169	....	{ with damping means }
A61F 2005/0172	....	{ with cushions }
A61F 2005/0174	.....	{ laterally placed }
A61F 2005/0176	.....	{ supporting the patella }
A61F 2005/0179	....	{ with spring means }
A61F 2005/0181	...	{ Protectors for articulations }
A61F 2005/0183	....	{ Hip protectors, e.g. for elderly people }
A61F 2005/0186	....	{ Thumb protectors }
A61F 2005/0188	...	{ having pressure sensors }
A61F 5/019	..	{ Toe correcting or spreading devices }
A61F 5/0193	..	{ Apparatus specially adapted for treating hip dislocation; Abduction splints }
A61F 5/0195	..	{ Shoe-like orthopaedic devices for protecting the feet against injuries after operations }
A61F 2005/0197	..	{ with spring means }
A61F 5/02	..	Orthopaedic corsets (arm-rests for use as writing aids B43L 15/00)

- A61F 5/022 ... { consisting of one or more shells }
- A61F 5/024 ... { having pressure pads connected in a frame for reduction or correction of the curvature of the spine }
- A61F 5/026 ... { Back straightening devices with shoulder braces to force back the shoulder to obtain a correct curvature of the spine (for clavicle fractures [A61F 5/05808](#); restraining devices [A61F 5/37](#)) }
- A61F 5/028 ... { Braces for providing support to the lower back, e.g. lumbo sacral supports }
- A61F 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](#)

- A61F 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](#)) }
- A61F 5/042 ... for extension or stretching
- A61F 5/048 Traction splints
- A61F 5/05 ... for immobilising ([A61F 5/0102](#) takes precedence)
- A61F 5/055 Cervical collars
- A61F 5/058 Splints
- A61F 5/05808 { Splints for clavicle fractures }
- A61F 5/05816 { Inflatable splints }
- A61F 5/05825 { Strips of substantially planar form }
- A61F 5/05833 { Splints rigidified by vacuum evacuation }
- A61F 5/05841 { for the limbs ([A61F 5/05816](#), [A61F 5/05833](#) take precedence) }
- A61F 5/0585 { for the legs (toe correcting devices [A61F 5/019](#)) }
- A61F 5/05858 { for the arms (restraining devices, e.g. slings [A61F 5/37](#)) }
- A61F 5/05866 { for wrists, hands, fingers or thumbs }
- A61F 5/05875 { for fingers }
- A61F 5/05883 { for the neck or head ([A61F 5/05816](#), [A61F 5/05833](#) take precedence; cervical supports [A61F 5/055](#)) }
- A61F 5/05891 { for the head, e.g. jaws, nose (nose correcting [A61F 5/08](#)) }
- A61F 5/08 .. Devices for correcting deformities of the nose; { Devices for enlarging the nostril, e.g. for breathing improvement }
- A61F 5/10 .. Devices for correcting deformities of the fingers
- A61F 5/11 .. Devices for correcting deformities of the nails
- A61F 5/14 .. Special medical insertions for shoes for flat-feet, club-feet, or the like (ordinary arch supports [A43B 7/14](#))
- A61F 5/24 .. Trusses
- A61F 5/26 ... with belt springs
- A61F 5/28 ... Supports for trusses
- A61F 5/30 .. Pressure-pads (corn-pads, corn-rings [A61F 13/06](#); { tourniquets [A61B 17/132](#) })

- A61F 5/32 . . . Adjustable pressure pads
- A61F 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](#) })
- A61F 5/37 . Restraining devices for the body or for body parts, { e.g. slings }; Restraining shirts {(handcuffs [E05B 75/00](#))}
- A61F 5/3707 .. { for the head (cervical supports [A61F 5/055](#); splints [A61F 5/05883](#))}
- A61F 5/3715 .. { for attaching the limbs to other parts of the body }
- A61F 5/3723 . . . { for the arms }
- A61F 5/373 { for restricting the movement of the arm at the elbow }
- A61F 5/3738 { Slings }
- A61F 5/3746 { Jacket-like sling }
- A61F 5/3753 { Abduction support }
- A61F 5/3761 .. { for attaching the limbs to other objects ([A61F 5/3769](#) takes precedence)}
- A61F 5/3769 .. { for attaching the body to beds, wheel-chairs or the like }
- A61F 5/3776 . . . { by means of a blanket or belts (to chairs only [A61F 5/3792](#))}
- A61F 5/3784 { directly connected to the trunk, e.g. with jacket }
- A61F 5/3792 . . . { to chairs, e.g. wheelchairs ([A61F 5/3784](#) takes precedence)}
- A61F 5/40 . Suspensory bandages
- A61F 5/41 . Devices for promoting penis erection (penis implants [A61F 2/26](#); massage of the genitals [A61H 19/00](#))
- A61F 2005/411 .. { Penile supports }
- A61F 2005/412 .. { by vacuum means }
- A61F 2005/414 .. { by constricting means }
- A61F 2005/415 .. { by inflatable means }
- A61F 2005/417 .. { by vibrating means }
- A61F 2005/418 .. { by electrical stimulation }
- A61F 5/44 . Devices worn by the patient for reception of urine, faeces, catamenial or other discharge; { Portable urination aids } (absorbent pads, e.g. sanitary towels, [A61F 13/15](#); drainage appliances for wounds [A61M 27/00](#); { emptying devices for urine bags [B65B 69/0016](#) }); Colostomy devices (adhesives for colostomy devices [A61L 24/00](#); materials for colostomy devices [A61L 28/00](#))
- A61F 5/4401 .. { with absorbent pads (diapers [A61F 13/49](#))}
- A61F 2005/4402 .. { disposable }
- A61F 5/4404 .. { Details or parts }
- A61F 5/4405 . . . { Valves or valve arrangements specially adapted therefor ([A61F 5/441](#) takes precedence); Fluid inlets or outlets ([A61F 5/4407](#) takes precedence)}
- A61F 5/4407 . . . { Closure means other than valves }
- A61F 5/4408 . . . { Means for securing receptacles or bags to the body otherwise than by adhesives, e.g. belts, straps or harnesses ([A61F 5/449](#) takes precedence)}

- A61F 5/441 .. having { venting or } deodorant means, e.g. filters; { having antiseptic means, e.g. bacterial barriers }
- A61F 2005/4415 .. { venting by manual operation }
- A61F 5/442 .. having irrigation ports or means (irrigators [A61M 3/02](#))
- A61F 5/443 .. having { adhesive seals for securing to the body, e.g. of }hydrocolloid type, e.g. gels, starches, karaya gums {(adhesives or sealing pads therefor[A61L 24/00](#))}
- A61F 5/445 .. Colostomy, { ileostomy or urethrostomy } devices ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence)
- A61F 2005/4455 ... { Implantable }
- A61F 5/448 ... Means for attaching bag to seal ring
- A61F 2005/4483 ... { Convex pressure ring }
- A61F 2005/4486 ... { with operable locking ring }
- A61F 5/449 ... Body securing means, e.g. belts, garments
- A61F 2005/4495 ... { with floating-belt attaching ring }
- A61F 5/451 .. Genital { or anal } receptacles ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence; { other body securing means [A61F 5/4408](#); devices for taking faeces samples [A61B 10/0038](#); devices for taking urine samples [A61B 10/007](#) }
- 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](#) }
- A61F 5/455 ... for collecting urine or discharge from female member
- A61F 5/4553 { placed in the vagina, e.g. for catamenial use (pessaries [A61F 6/08](#); absorbent cups [A61F 13/24](#))}
- A61F 5/4556 { Portable urination aids, e.g. to allow females to urinate from a standing position }

- A61F 5/48 . Devices for preventing wetting or pollution of the bed
- A61F 5/485 .. { Absorbent protective pads (mattress underlays [A47C 21/06](#); bed linen [A47G 9/02](#))}

- A61F 5/50 . Devices for preventing finger-sucking

- A61F 5/56 . Devices for preventing snoring {(by influencing the respiratory system by gas treatment [A61M 16/00](#))}
- A61F 2005/563 .. { Anti-bruxisme }
- A61F 5/566 .. { Intra-oral devices }

- A61F 5/58 . Apparatus for correcting stammering or stuttering

- A61F 6/00** **Contraceptive devices; Pessaries; Applicators therefor** (chemical aspects of contraception [A61K](#))

- A61F 6/005 . { Packages or dispensers for contraceptive devices }

- A61F 6/02 . for use by males ([A61F 6/20](#) takes precedence)
- A61F 6/04 .. Condoms, sheaths or the like, { e.g. combined with devices protecting against contagion }

A61F 2006/041	...	{ combined with a protective garment, e.g. underpants or mask }
A61F 2006/042	....	{ covering the mouth , e.g. oral condom }
A61F 2006/043	...	{ with more than one barrier }
A61F 2006/044	...	{ with absorbent material }
A61F 2006/045	...	{ with closing devices at the open end }
A61F 2006/046	....	{ for closing after use }
A61F 2006/047	...	{ with holding means }
A61F 2006/048	...	{ with surface protuberances }
A61F 2006/049	...	{ with strips to apply the condom }
A61F 6/06	.	for use by females (A61F 6/20 takes precedence)
A61F 6/065	..	{ Condom-like devices worn by females }
A61F 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 }
A61F 6/12	...	Inserters or removers
A61F 6/14	..	intra-uterine type
A61F 6/142	...	{ Wirelike structures, e.g.loops, rings, spirals }
A61F 6/144	....	{ with T-configuration }
A61F 6/146	...	{ Occluders for the cervical canal (occluding by internal devices A61B 17/12022 ; dilators A61M 29/00)}
A61F 6/148	...	{ with sheet-like structure }
A61F 6/16	...	inflatable
A61F 6/18	...	Inserters or removers; { Apparatus for loading an intra-uterine device into an insertion tube }
A61F 6/20	.	Vas deferens occluders; Fallopian occluders
A61F 6/202	..	{ Means specially adapted for ligaturing, compressing or clamping of oviduct or vas deferens (of tubular organs in general A61B 17/12)}
A61F 6/204	...	{ Clamp applying devices }
A61F 6/206	..	{ Clamps (ligaturing clamps or clips A61B 17/122)}
A61F 6/208	..	{ Implements for ligaturing }
A61F 6/22	..	implantable in tubes {(occluding by internal devices A61B 17/12022)}
A61F 6/225	...	{ transcervical }
A61F 6/24	...	characterised by valve means
A61F 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)
A61F 2007/0001	.	{ Body part }
A61F 2007/0002	..	{ Head or parts thereof }

A61F 2007/0003	...	{ Face }
A61F 2007/0004	...	{ Eyes or part of the face surrounding the eyes }
A61F 2007/0005	...	{ Ears }
A61F 2007/0006	...	{ Nose }
A61F 2007/0007	...	{ Forehead, e.g. headbands }
A61F 2007/0008	...	{ Scalp }
A61F 2007/0009	...	{ Throat or neck }
A61F 2007/001	....	{ Throat only }
A61F 2007/0011	....	{ Neck only }
A61F 2007/0012	.....	{ with means for support of the head }
A61F 2007/0013	...	{ Jaw }
A61F 2007/0014	...	{ Chin }
A61F 2007/0015	...	{ Cheeks }
A61F 2007/0017	...	{ Mouth }
A61F 2007/0018	..	{ Trunk or parts thereof }
A61F 2007/0019	...	{ Breast }
A61F 2007/002	....	{ Heart }
A61F 2007/0021	...	{ Female breast }
A61F 2007/0022	...	{ Abdomen }
A61F 2007/0023	...	{ Waist }
A61F 2007/0024	...	{ Back }
A61F 2007/0025	...	{ Higher part of back }
A61F 2007/0026	...	{ Middle part of back }
A61F 2007/0027	...	{ Lower part of back }
A61F 2007/0028	...	{ Rectum }
A61F 2007/0029	..	{ Arm or parts thereof }
A61F 2007/003	...	{ Shoulder }
A61F 2007/0031	...	{ Upper arm }
A61F 2007/0032	...	{ Elbow }
A61F 2007/0034	...	{ Lower arm }
A61F 2007/0035	...	{ Wrist }
A61F 2007/0036	...	{ Hand }
A61F 2007/0037	...	{ Finger }
A61F 2007/0038	...	{ Thumb }
A61F 2007/0039	..	{ Leg or parts thereof }
A61F 2007/004	...	{ Hip }
A61F 2007/0041	...	{ Upper leg }
A61F 2007/0042	...	{ Knee }
A61F 2007/0043	...	{ Lower leg, calf }
A61F 2007/0044	...	{ Ankle }

A61F 2007/0045	...	{ Foot }
A61F 2007/0046	...	{ Toe }
A61F 2007/0047	...	{ Sole }
A61F 2007/0048	..	{ Genitals }
A61F 2007/005	...	{ female }
A61F 2007/0051	..	{ Stumps after amputation }
A61F 2007/0052	..	{ for treatment of skin or hair }
A61F 7/0053	.	{ Cabins, rooms, chairs or units for treatment with a hot or cold circulating fluid }
A61F 2007/0054	.	{ with a closed fluid circuit, e.g. hot water }
A61F 2007/0055	..	{ of gas, e.g. hot air or steam }
A61F 2007/0056	..	{ for cooling }
A61F 2007/0057	...	{ of gas, e.g. air or carbon dioxide }
A61F 2007/0058	...	{ evaporating on or near the spot to be cooled }
A61F 2007/0059	.	{ with an open fluid circuit }
A61F 2007/006	..	{ of gas }
A61F 2007/0061	...	{ Using breath }
A61F 2007/0062	...	{ the gas being steam or water vapour }
A61F 2007/0063	..	{ for cooling }
A61F 2007/0064	...	{ of gas }
A61F 2007/0065	....	{ Causing evaporation }
A61F 2007/0067	.....	{ of sweat }
A61F 2007/0068	...	{ evaporating on the spot to be cooled }
A61F 2007/0069	..	{ with return means }
A61F 7/007	.	{ characterised by electric heating }
A61F 2007/0071	..	{ using a resistor, e.g. near the spot to be heated }
A61F 2007/0072	...	{ remote from the spot to be heated }
A61F 2007/0073	...	{ thermistor }
A61F 2007/0074	....	{ PTC }
A61F 2007/0075	..	{ using a Peltier element, e.g. near the spot to be heated or cooled }
A61F 2007/0076	...	{ remote from the spot to be heated or cooled }
A61F 2007/0077	..	{ Details of power supply }
A61F 2007/0078	...	{ with a battery }
A61F 2007/0079	....	{ connectable to car battery }
A61F 2007/008	....	{ with a separate, portable battery pack }
A61F 2007/0081	...	{ Low voltage, e.g. using transformer }
A61F 2007/0082	....	{ D.C. (A61F 2007/0078 takes precedence)}
A61F 2007/0084	...	{ using a solar cell }

- A61F 7/0085 . { Devices for generating hot or cold treatment fluids }
- A61F 2007/0086 . { with a thermostat }
- A61F 2007/0087 . { Hand-held applicators }
- A61F 2007/0088 . { Radiating heat }
- A61F 2007/0089 . { Chemotherapy developing heat }
- A61F 2007/009 . { with a varying magnetic field acting upon the human body, e.g. an implant therein }
- A61F 2007/0091 . { inflatable }
- A61F 2007/0092 .. { with, or also with, a substance other than air }
- A61F 2007/0093 . { programmed }
- A61F 2007/0094 . { using a remote control }
- A61F 2007/0095 . { with a temperature indicator }
- A61F 2007/0096 .. { with a thermometer }
- A61F 7/0097 . { Blankets with active heating or cooling sources (warming mats [A61F 7/08](#)) }
- A61F 2007/0098 . { ways of manufacturing heating or cooling devices for therapy }
- A61F 7/02 . Compresses or poultices for effecting heating or cooling
- A61F 2007/0201 .. { shaped as a doll }
- A61F 2007/0203 .. { Cataplasms, poultices or compresses, characterised by their contents; Bags therefor }
- A61F 2007/0204 ... { containing clay, mud, fango, sand, kaolin clay, volcanic or other inorganic granular solids }
- A61F 2007/0206 ... { containing organic solids or fibres }
- A61F 2007/0207 { Plants, dried plants, seeds or fruits }
- A61F 2007/0209 { Synthetics, e.g. plastics }
- A61F 2007/0211 { Granulars }
- A61F 2007/0212 { Foams }
- A61F 2007/0214 { Polymers, e.g. water absorbing }
- A61F 2007/0215 ... { containing liquids other than water }
- A61F 2007/0217 { Oils }
- A61F 2007/0219 { Gels }
- A61F 2007/022 . { Bags therefor }
- A61F 2007/0222 { made of synthetics, e.g. plastics }
- A61F 2007/0223 { made of textiles }
- A61F 2007/0225 .. { connected to the body or a part thereof }

A61F 2007/0226	...	{ adhesive, self-sticking }
A61F 2007/0228	...	{ with belt or strap, e.g. with buckle }
A61F 2007/023	....	{ with pockets for receiving packs or pouches }
A61F 2007/0231	...	{ hook and loop-type fastener }
A61F 2007/0233	...	{ connected to or incorporated in clothing or garments (A61F 2007/023 takes precedence)}
A61F 2007/0234	....	{ for the upper part of the trunk, eg. bodice }
A61F 2007/0236	....	{ for the lower part of the trunk, e.g. panty }
A61F 2007/0238	....	{ in a pocket (A61F 2007/023 takes precedence)}
A61F 2007/0239	...	{ using vacuum }
A61F 7/0241	..	{ Apparatus for the preparation of hot packs, hot compresses, cooling pads, e.g. heaters or refrigerators }
A61F 2007/0242	..	{ heated by microwaves }
A61F 2007/0244	..	{ with layers }
A61F 2007/0246	...	{ with a layer having high heat transfer capability }
A61F 2007/0247	....	{ Using a substance with high conductivity }
A61F 2007/0249	...	{ with a layer having low heat transfer capability }
A61F 2007/025	....	{ retaining air or other gas }
A61F 2007/0252	.....	{ in closed compartments }
A61F 2007/0253	....	{ using a substance with low conductivity (A61F 2007/025 takes precedence)}
A61F 2007/0255	....	{ with a reflective layer }
A61F 2007/0257	...	{ with a fluid impermeable layer }
A61F 2007/0258	...	{ with a fluid permeable layer }
A61F 2007/026	...	{ with a fluid absorbing layer }
A61F 2007/0261	..	{ medicated }
A61F 2007/0263	...	{ made of a substance with therapeutic action, e.g. copper or silver }
A61F 2007/0265	...	{ antiallergic }
A61F 2007/0266	..	{ without external heat source, i.e. using one's own body heat (A61F 2007/0061 takes precedence)}
A61F 2007/0268	..	{ having a plurality of compartments being filled with a heat carrier (heat packs stored in pockets A61F 2007/023 , A61F 2007/0238)}
A61F 2007/0269	...	{ with separable compartments, e.g. reconnectable }
A61F 2007/0271	....	{ Permanently separable compartments, e.g. with rupturable portions }
A61F 2007/0273	...	{ with openings in the walls between the compartments serving as passageways for the filler (flowing in circuits A61F 2007/0054 , A61F 2007/0059)}
A61F 2007/0274	....	{ the walls being reduced to spot connections, e.g. spot welds }
A61F 2007/0276	...	{ with separate compartments connectable by rupturing a wall or membrane }
A61F 2007/0277	..	{ Other details of hot water bottles, heat packs or cold packs }
A61F 2007/0279	...	{ Removable covers or sleeves (pockets connected to the body or parts thereof A61F 2007/023 , A61F 2007/0238)}

- A61F 2007/028 ... { Devices for wringing }
 - A61F 2007/0282 .. { for particular medical treatments or effects }
 - A61F 2007/0284 ... { Treatment of stings or bites }
 - A61F 2007/0285 ... { Local anaesthetic effect }
 - A61F 2007/0287 ... { Preventing negative effects of chemotherapy }
 - A61F 2007/0288 ... { during operations }
 - A61F 2007/029 ... { Fat cell removal or destruction by non-ablative heat treatment }
 - A61F 2007/0292 .. { using latent heat produced or absorbed during phase change of materials, e.g. of super-cooled solutions }
 - A61F 2007/0293 ... { Triggers, activators or catalysts therefor }
 - A61F 2007/0295 .. { for heating or cooling or use at more than one temperature }
 - A61F 2007/0296 ... { Intervals of heating alternated with intervals of cooling }
 - A61F 2007/0298 ... { with a section for heating and a section for cooling }
 - A61F 7/03 .. Thermophore, i.e. self-heating, { e.g. using a chemical reaction }
 - A61F 7/032 ... { using oxygen from the air, e.g. pocket-stoves }
 - A61F 7/034 { Flameless }
 - A61F 2007/036 { Fuels }
 - A61F 2007/038 { Carbon or charcoal, e.g. active }
- A61F 7/08 . Warming pads, pans or mats ([A61F 7/02](#) takes precedence); Hot-water bottles

WARNING

Not complete, see also [A61F 7/02](#)

- A61F 2007/083 .. { with an outlets tube, e.g. for enema or irrigation }
- A61F 7/086 .. { Closures; Filling openings }
- A61F 7/10 . Cooling bags, e.g. ice-bags
 - A61F 2007/101 .. { for cooling organs in the body before or during surgery }
 - A61F 7/103 .. { refillable }
 - A61F 2007/105 ... { Closures specially adapted for icebags or packs }
 - A61F 7/106 .. { self-cooling, e.g. using a chemical reaction }
 - A61F 2007/108 .. { Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment }
- A61F 7/12 . Devices for heating or cooling internal body cavities
 - A61F 7/123 .. { using a flexible balloon containing the thermal element }
 - A61F 2007/126 .. { for invasive application, e.g. for introducing into blood vessels }

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

A61F 9/00	Method 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 19/22 }; appliances to aid invalids to move about A61H 3/00 ; { exercisers for the eyes A61H 5/00 }; eye baths A61H 35/02 ; sunglasses or goggles having the same features as spectacles G02C)
A61F 9/0008	. { 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) }
A61F 9/0017	.. { implantable in, or in contact with, the eye, e.g. ocular inserts }
A61F 9/0026	.. { Ophthalmic product dispenser attachments to facilitate positioning near the eye }
A61F 2009/0035	. { Devices for immobilising a patient's head with respect to the instrument }
A61F 2009/0043	.. { by supporting the instrument on the patient's head, e.g. head bands }
A61F 2009/0052	... { the instrument being supported on the patient's eye }
A61F 9/0061	. { Devices for putting-in contact lenses }
A61F 9/007	. Methods or devices for eye surgery
A61F 9/00709	.. { Instruments for removing foreign bodies (for removal of intra-ocular material A61F 9/00736) }
A61F 9/00718	.. { Restoration of lid function }
A61F 9/00727	.. { Apparatus for retinal reattachment }
A61F 9/00736	.. { Instruments for removal of intra-ocular material or intra-ocular injection, e.g. cataract instruments (A61F 9/008 takes precedence) }
A61F 9/00745	... { using mechanical vibrations, e.g. ultrasonic }
A61F 9/00754	... { for cutting or perforating the anterior lens capsule, e.g. capsulotomes }
A61F 9/00763	... { with rotating or reciprocating cutting elements, e.g. concentric cutting needles (atherectomy cutting instruments A61B 17/3207 ; endoscopic cutting instruments A61B 17/320016) }
A61F 9/00772	.. { Apparatus for restoration of tear ducts }
A61F 9/00781	.. { Apparatus for modifying intraocular pressure, e.g. for glaucoma treatment (drainage implants in general A61M 27/002) }
A61F 9/0079	.. { using non-laser electromagnetic radiation, e.g. non-coherent light or microwaves }
A61F 9/008	.. using laser
A61F 9/00802	... { for photoablation }
A61F 9/00804	.... { Refractive treatments }
A61F 9/00806	..... { Correction of higher orders }
A61F 9/00808	..... { Inducing higher orders, e.g. for correction of presbyopia }
A61F 9/0081	.... { Transplantation }
A61F 9/00812	.... { Inlays; Onlays; Intraocular lenses (IOL) }

A61F 9/00814	....	{ Laser features or special beam parameters therefor }
A61F 9/00817	....	{ Beam shaping with masks }
A61F 9/00819	.....	{ with photoablatable masks }
A61F 9/00821	...	{ for coagulation }
A61F 9/00823	....	{ Laser features or special beam parameters therefor }
A61F 9/00825	...	{ for photodisruption }
A61F 9/00827	....	{ Refractive correction, e.g. lenticle }
A61F 9/00829	.....	{ Correction of higher orders }
A61F 9/00831	....	{ Transplantation }
A61F 9/00834	....	{ Inlays; Onlays; Intraocular lenses (IOL) }
A61F 9/00836	....	{ Flap cutting }
A61F 9/00838	....	{ Correction of presbyopia }
A61F 9/0084	....	{ Laser features or special beam parameters therefor }
A61F 2009/00842	...	{ Permanent Structural Change (PSC) in index of refraction; Limit between ablation and plasma ignition }
A61F 2009/00844	...	{ Feedback systems }
A61F 2009/00846	....	{ Eyetracking }
A61F 2009/00848	....	{ based on wavefront }
A61F 2009/00851	....	{ Optical coherence topography (OCT) }
A61F 2009/00853	...	{ Laser thermal keratoplasty or radial keratotomy }
A61F 2009/00855	...	{ Calibration of the laser system }
A61F 2009/00857	....	{ considering biodynamics }
A61F 2009/00859	....	{ considering nomograms }
A61F 2009/00861	...	{ adapted for treatment at a particular location }
A61F 2009/00863	....	{ Retina }
A61F 2009/00865	....	{ Sclera }
A61F 2009/00868	....	{ Ciliary muscles or trabecular meshwork }
A61F 2009/0087	....	{ Lens }
A61F 2009/00872	....	{ Cornea }
A61F 2009/00874	....	{ Vitreous }
A61F 2009/00876	....	{ Iris }
A61F 2009/00878	...	{ Planning }
A61F 2009/0088	....	{ based on wavefront }
A61F 2009/00882	....	{ based on topography }
A61F 2009/00885	...	{ for treating a particular disease }
A61F 2009/00887	....	{ Cataract }
A61F 2009/00889	.....	{ Capsulotomy }
A61F 2009/00891	....	{ Glaucoma }
A61F 2009/00893	....	{ Keratoconus }
A61F 2009/00895	....	{ Presbyopia }

- A61F 2009/00897 . . . { Scanning mechanisms or algorithms }
- A61F 9/009 . . . Auxiliary devices making contact with the eye-ball and coupling in laser light, { e.g. goniolescopes (apparatus for eye examination [A61B 3/0008](#)) }
- A61F 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 }
- A61F 9/0133 . . . { Knives or scalpels specially adapted therefor }
- A61F 9/0136 . . . { Mechanical markers }
- A61F 9/02 . Goggles {(breathing masks [A62B 18/00](#); swimming goggles [A63B 33/002](#); diving masks [B63C 11/12](#))}
- A61F 2009/021 . . { Goggles with prescription spectacle lenses }
- A61F 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](#)) }
- A61F 9/023 . . . { with variable transmission, e.g. photochromic (for welding [A61F 9/067](#)) }
- A61F 9/024 . . . { Rotating discs with slits, e.g. stroboscopes }
- A61F 9/025 . . { Special attachment of screens, e.g. hinged, removable; Roll-up protective layers }
- A61F 9/026 . . { Paddings; Cushions; Fittings to the face }
- A61F 9/027 . . { Straps; Buckles; Attachment of headbands }
- A61F 9/028 . . { Ventilation means }
- A61F 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 }
- A61F 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](#)) }
- A61F 9/045 . . { Eye-shades or visors; Shields beside, between or below the eyes (caps with means for protecting the eyes [A42B 1/06](#)) }
- A61F 9/06 . . Masks, shields or hoods for welders (safety devices for welding in general [F16P 1/00](#))
- A61F 9/061 . . . { with movable shutters, e.g. filter discs; Actuating means therefor }
- A61F 9/062 { with movable polarising filter discs }
- A61F 9/064 . . . { with two windows, one for viewing and one for use during the welding process }
- A61F 9/065 . . . { use of particular optical filters ([A61F 9/022](#), [A61F 9/062](#) take precedence) }
- A61F 9/067 { with variable transmission }
- A61F 9/068 . . . { with supply or suction of gas, air or smoke inside or outside the welding hood }
- A61F 9/08 . Devices or methods enabling eye-patients to replace direct visual perception by another kind of perception {(walking or guiding aids for blinds [A61H 3/06](#); teaching or communicating with blinds [G09B 21/00](#) promoting of eye function by stimulation with electric currents using contact electrodes [A61N 1/36046](#)) }
- A61F 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 }**

- A61F 11/002 . { Surgical middle ear ventilation or drainage, e.g. permanent; Implants therefor (drainage implants in general [A61M 27/002](#))}
- A61F 11/004 . { Ear surgery ([A61F 11/002](#) takes precedence)}
- A61F 11/006 . { Ear cleaners, e.g. cures (cotton tips [A61F 13/38](#); cleaning by suction [A61M 1/0023](#), by irrigation [A61M 3/02](#))}
- A61F 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](#))}
- A61F 11/04 . Devices or methods enabling ear patients to replace direct auditory perception by another kind of perception {(electronic stimulation of auditory nerves [A61N 1/36032](#))}
- A61F 11/045 .. { using mechanical stimulation of nerves (acting directly on the ear [H04R 25/00](#))}
- A61F 11/06 . Protective devices for the ears
- A61F 11/08 .. internal, e.g. earplugs
- A61F 2011/085 ... { including an inner channel }
- A61F 11/10 ... inflatable or expandable
- A61F 11/12 ... External mounting means
- A61F 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 11/06](#))]

- A61F 2011/145 ... { electric, e.g. for active noise reduction }

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

A61F 13/00 **Bandages or dressings** (suspensory bandages [A61F 5/40](#); { contact-avoiding wound protectors **A61F 15/00P**; 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](#) })

- A61F 13/00004 . { Non-adhesive dressings }
- A61F 13/00008 .. { characterized by the material }
- A61F 13/00012 ... { being made of natural material e.g. cellulose-, protein-, collagen-based }
- A61F 13/00017 ... { synthetic e.g. polymer based }
- A61F 13/00021 .. { characterized by the structure of the dressing }
- A61F 13/00025 ... { made of a single layer }

A61F 13/00029	...	{ made of multiple layers }
A61F 13/00034	..	{ characterized by a property }
A61F 13/00038	...	{ Flexibility, stretchability or elasticity }
A61F 13/00042	...	{ Absorbency }
A61F 13/00046	...	{ Air-vapor permeability }
A61F 13/00051	.	{ Accessories for dressings }
A61F 13/00055	..	{ Saturation indicators }
A61F 13/00059	..	{ provided with visual effects e.g. printed or colored }
A61F 13/00063	..	{ comprising medicaments or additives e.g. odor control, PH control, debridging, antimicrobial (drug delivery dressings A61K 9/70 ; chemical aspect of the additives A61L 15/00)}
A61F 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)}
A61F 13/00072	..	{ Packaging of dressings }
A61F 13/00076	...	{ Packaging of adhesive dressings }
A61F 13/0008	....	{ having means for facilitating the removal of the packaging and release liner }
A61F 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)}
A61F 2013/00089	.	{ Wound bandages (A61F 2013/00361 takes precedence;)}
A61F 2013/00093	..	{ tubular }
A61F 2013/00097	...	{ net structure }
A61F 2013/00102	..	{ oblong }
A61F 2013/00106	..	{ emergency bandages, e.g. for first aid }
A61F 2013/0011	...	{ spray }
A61F 2013/00114	...	{ with check valve, e.g. for traumatic pneumothorax }
A61F 2013/00119	..	{ elastic }
A61F 2013/00123	...	{ with elastic indicator }
A61F 2013/00127	...	{ fixation means }
A61F 2013/00131	...	{ elasticity distribution }
A61F 2013/00136	....	{ anisotropy }
A61F 2013/0014	....	{ non-linearity }
A61F 2013/00144	....	{ transversal distribution }
A61F 2013/00148	....	{ longitudinal distribution }
A61F 2013/00153	..	{ coloured or with decoration pattern or printing }
A61F 2013/00157	..	{ for burns or skin transplants (A61F 2013/00187 takes precedence; not adhering to the wound A61F 2013/00217)}
A61F 2013/00161	...	{ with wax, e.g. petroleum or bees- (; treated with lubricants A61F 2013/00331)}
A61F 2013/00165	..	{ not touching the wound }

A61F 2013/0017	..	{ possibility of applying fluid }
A61F 2013/00174	...	{ possibility of applying pressure }
A61F 2013/00178	....	{ hand-held C02 cylinder, e.g. sparklet }
A61F 2013/00182	..	{ with transparent part }
A61F 2013/00187	..	{ insulating; warmth or cold applying }
A61F 2013/00191	...	{ cooled by evaporation }
A61F 2013/00195	...	{ electric warmer }
A61F 2013/002	...	{ with temperature control }
A61F 2013/00204	...	{ insulating }
A61F 2013/00208	....	{ by a high viscosity, low conductivity liquid }
A61F 2013/00212	....	{ infra-red absorbing or reflecting }
A61F 2013/00217	..	{ not adhering to the wound (with wax A61F 2013/00161)}
A61F 2013/00221	...	{ biodegradable, non-irritating }
A61F 2013/00225	....	{ with non-degradable reinforcing layer, net or mesh (absorbent core with a reinforcing structure, e.g. net A61F 2013/53463)}
A61F 2013/00229	...	{ with alginate (absorbent structures with superabsorbent materials, e.g. SAM K61F 13/15D7)}
A61F 2013/00234	...	{ metallic layer (metallic underlayers K61F 13/15E2)}
A61F 2013/00238	..	{ characterised by way of knitting or weaving }
A61F 2013/00242	...	{ to avoiding fraying or pilling (lint-free, i.e. non-linting or frying A61F 2013/00348)}
A61F 2013/00246	..	{ in a special way pervious to air or vapours (air permeability of absorbent structures K61F 13/15D10T ; underlayers impervious to fluids but not for air or vapours K61F 13/15E1A ; fibrous underlayers impervious to fluids end open for air K61F 13/15E3A)}
A61F 2013/00251	...	{ with macroscopic openings }
A61F 2013/00255	...	{ with pores }
A61F 2013/00259	...	{ thin film }
A61F 2013/00263	...	{ vapour permeability >500 g/m ² /24h }
A61F 2013/00268	...	{ impervious, i.e. occlusive bandage }
A61F 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)}
A61F 2013/00276	...	{ for itching skin }
A61F 2013/0028	..	{ applying of mechanical pressure; passive massage }
A61F 2013/00285	..	{ medication confinement }
A61F 2013/00289	..	{ easy removing of the protection sheet }
A61F 2013/00293	..	{ anallergic or hypoallergic material }
A61F 2013/00297	..	{ safety barrier for protection of the operator (protection of the body or articulation A61F 2013/00272 ; protecting the body against ulcers A61F 2013/15024 ; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/15065 ; prophylaxis A61F 2013/15081)}
A61F 2013/00302	...	{ devices for handling dressings }

A61F 2013/00306	...	{ dressing for protection of the operator during surgical procedure }
A61F 2013/0031	...	{ for handling common life objects, e.g. telephone (prophylaxis A61F 2013/15081)}
A61F 2013/00314	..	{ with surface treatments }
A61F 2013/00319	...	{ to make surface hydrophobic }
A61F 2013/00323	...	{ to make surface hydrophilic }
A61F 2013/00327	...	{ to create projections or depressions in surface }
A61F 2013/00331	...	{ lubricants (with wax, e.g. petroleum or bees- A61F 2013/00161 ; not adhering to the wound A61F 2013/00217 ; lubricant top layers A61F 2013/51073)}
A61F 2013/00336	...	{ polymeric resins }
A61F 2013/0034	..	{ with triboelectric materials }
A61F 2013/00344	...	{ for increasing oxygen partial pressure }
A61F 2013/00348	..	{ lint-free, i.e. non-linting or frying (A61F 2013/00242 takes precedence)}
A61F 2013/00353	..	{ for red nails, in-grown nails or felons (inflamed digits) }
A61F 2013/00357	..	{ implanted wound fillings or covers (membranes for covering bone defects A61F 2/2846)}
A61F 2013/00361	.	{ Plasters }
A61F 2013/00365	..	{ use }
A61F 2013/0037	...	{ for cosmesis }
A61F 2013/00374	....	{ against wrinkles, e.g. face lift }
A61F 2013/00378	....	{ coloured as the skin (coloured black or yellow, or with pattern or printing A61F 2013/00153)}
A61F 2013/00382	....	{ reconstructing the body shape (prosthetic device A61F 2013/00574)}
A61F 2013/00387	...	{ skin protection (protection of the body or articulation A61F 2013/00272 ; safety barrier for protection of the operator A61F 2013/00297 ; for protection of suture stitches A61F 2013/00455 ; protection of wound surround A61F 2013/00825)}
A61F 2013/00391	....	{ from irradiation, e.g. sun }
A61F 2013/00395	....	{ from skin abrasion }
A61F 2013/004	....	{ from liquid water }
A61F 2013/00404	....	{ against blisters or bed sores }
A61F 2013/00408	....	{ shield for protection against hypodermic needles }
A61F 2013/00412	...	{ for use with needles, tubes or catheters }
A61F 2013/00417	....	{ pierced by needle }
A61F 2013/00421	....	{ with double adhesive layer (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 ; changing the adhesion force with strain value A61F 2013/00838)}
A61F 2013/00425	...	{ for removing of external skin layer, e.g. prepping }
A61F 2013/00429	...	{ for conducting tests }
A61F 2013/00434	....	{ Epicutaneous test }

A61F 2013/00438	....	{ blood tests }
A61F 2013/00442	....	{ using electrodes }
A61F 2013/00446	...	{ for oriental medicine }
A61F 2013/00451	...	{ for surgical sutures, e.g. butterfly type }
A61F 2013/00455	....	{ for protection of suture stitches (protection of the body or articulation A61F 2013/00272 ; safety barrier for protection of the operator A61F 2013/00297 ; skin protection A61F 2013/00387 ; protection of wound surround A61F 2013/00825)}
A61F 2013/00459	....	{ with cyano-acrylic adhesive (adhesives for mucosae A61F 2013/00714 or for use on wounds A61F 2013/00719)}
A61F 2013/00463	...	{ haemostatic }
A61F 2013/00468	....	{ applying local pressure }
A61F 2013/00472	....	{ with chemical means }
A61F 2013/00476	...	{ for nose }
A61F 2013/0048	...	{ for toes (for red nails, in-grown nails or felons A61F 2013/00353)}
A61F 2013/00485	....	{ treating of athlete's foot }
A61F 2013/00489	...	{ for bracing or strapping }
A61F 2013/00493	....	{ torso }
A61F 2013/00497	...	{ eye patch }
A61F 2013/00502	....	{ for eyelids }
A61F 2013/00506	...	{ for treating warts }
A61F 2013/0051	...	{ for treating insect bite }
A61F 2013/00514	....	{ ticks }
A61F 2013/00519	...	{ for treating burn (bandages for burns or skin transplants A61F 2013/00157)}
A61F 2013/00523	....	{ with hydrogel (wound bandages with alginate A61F 2013/00229 ; adhesive for plasters; with hydrogel A61F 2013/00676 ; water-based A61F 2013/00689 ; for use on mucosae A61F 2013/00714 ; for use on wounds A61F 2013/00719 ; wound humidity control with hydrocolloids or superabsorbers A61F 2013/00748 ; with absorbent adhesives A61F 2013/00757 ; with fumed silica A61F 2013/00787 ; with viscoelastic oil-elastomer gel A61F 2013/00893)}
A61F 2013/00527	....	{ artificial skin }
A61F 2013/00531	...	{ for exfoliation (enzymes therefor A61F 2013/00927)}
A61F 2013/00536	...	{ for draining or irrigating wounds }
A61F 2013/0054	...	{ for deep wounds }
A61F 2013/00544	..	{ form or structure }
A61F 2013/00548	...	{ net (wound bandages with net structure A61F 2013/00097)}
A61F 2013/00553	...	{ with detachable parts }
A61F 2013/00557	....	{ detachable absorbent pad }

A61F 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)}
A61F 2013/00565	....	{ with hook and loop-type fastener connecting means }
A61F 2013/0057	...	{ with openable cover }
A61F 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)}
A61F 2013/00578	....	{ conformable; soft or flexible, e.g. elastomeric }
A61F 2013/00582	...	{ Properties of backing }
A61F 2013/00587	....	{ Thickness }
A61F 2013/00591	....	{ breaking stress or force }
A61F 2013/00595	....	{ breaking strain or extension }
A61F 2013/006	....	{ Elastic modulus }
A61F 2013/00604	...	{ Multilayer }
A61F 2013/00608	....	{ with reinforcing layers }
A61F 2013/00612	....	{ with different thickness }
A61F 2013/00617	....	{ with different hardness }
A61F 2013/00621	...	{ cast }
A61F 2013/00625	....	{ in situ }
A61F 2013/00629	....	{ on a model }
A61F 2013/00634	....	{ foam }
A61F 2013/00638	....	{ Gel }
A61F 2013/00642	...	{ soluble, e.g. in water }
A61F 2013/00646	...	{ Medication patches, e.g. transcutaneous }
A61F 2013/00651	....	{ tapered, bevelled or chamfered }
A61F 2013/00655	..	{ adhesive (wound bandages with alginate A61F 2013/00229 ; plasters with a double adhesive layer A61F 2013/00421 ; with cyano-acrylic adhesive A61F 2013/00459 ; plasters for treating burn with hydrogel A61F 2013/00523 ; with adhesive connecting means A61F 2013/00561 ; adhesive for plasters, with hydrogel A61F 2013/00676 ; for use on mucosae A61F 2013/00714 ; for use on wounds A61F 2013/00719 ; wound humidity control with hydrocolloids or superabsorbers A61F 2013/00748 ; with absorbent adhesives A61F 2013/00757 ; with fumed silica A61F 2013/00787 ; with viscoelastic oil-elastomer gel A61F 2013/00893 ; 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)}
A61F 2013/00659	...	{ polymeric base }
A61F 2013/00663	....	{ acrylic }
A61F 2013/00668	....	{ Ether }
A61F 2013/00672	....	{ cyano-acrylic }
A61F 2013/00676	...	{ hydrogel }
A61F 2013/0068	....	{ cross-linked by radiations, e.g. electron beam }

A61F 2013/00685	...	{ soluble in liquid, e.g. of particular pH }
A61F 2013/00689	...	{ water-based }
A61F 2013/00693	...	{ oil-based }
A61F 2013/00697	...	{ elastomer-, e.g. rubber- based }
A61F 2013/00702	....	{ silicon-based }
A61F 2013/00706	...	{ basis weight }
A61F 2013/0071	...	{ containing active agent }
A61F 2013/00714	...	{ adhesives for mucosae }
A61F 2013/00719	...	{ adhesives for use on wounds }
A61F 2013/00723	...	{ non-adhesive skin fixation }
A61F 2013/00727	..	{ means for wound humidity control }
A61F 2013/00731	...	{ with absorbing pads }
A61F 2013/00736	....	{ containing zeolites }
A61F 2013/0074	....	{ containing foams }
A61F 2013/00744	....	{ containing non-woven }
A61F 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)} }
A61F 2013/00753	....	{ superabsorbent fabric of cloth }
A61F 2013/00757	...	{ with absorbent adhesives }
A61F 2013/00761	...	{ with permeable adhesive layers }
A61F 2013/00765	....	{ continuous layer }
A61F 2013/0077	....	{ arranged in lines }
A61F 2013/00774	....	{ arranged in discrete dots }
A61F 2013/00778	....	{ porous layers }
A61F 2013/00782	....	{ with macroscopic openings }
A61F 2013/00787	...	{ fumed silica }
A61F 2013/00791	...	{ device for evaporation of essudates }
A61F 2013/00795	..	{ special helping devices }
A61F 2013/008	...	{ easy removing of the protection sheet }
A61F 2013/00804	....	{ different adhesion of different adhesive layers (plasters with a double adhesive layer A61F 2013/00421 ; with cyano-acrylic adhesive A61F 2013/00459 ; with adhesive connecting means A61F 2013/00561 ; adhesives for plasters A61F 2013/00655 ; with absorbent adhesives A61F 2013/00757 ; with permeable adhesive layers A61F 2013/00761 ; changing the adhesion force with strain value A61F 2013/00838)} }
A61F 2013/00808	....	{ force step in removing the protection layer }
A61F 2013/00812	....	{ perforate or breakable zones }
A61F 2013/00817	...	{ handles or handling tabs }

A61F 2013/00821	....	{ with hinge means }
A61F 2013/00825	...	{ protection of wound surround (protecting the body against ulcers A61F 2013/15024 ; protection in contaminated, e.g. NBC or industrial toxic ambience A61F 2013/15065 ; prophylaxis A61F 2013/15081 ; protection of the body or articulation A61F 2013/00272 ; safety barrier for protection of the operator A61F 2013/00297 ; skin protection A61F 2013/00387 ; for protection of suture stitches A61F 2013/00455)}
A61F 2013/00829	...	{ rigid or semi-rigid backing }
A61F 2013/00834	....	{ as a frame }
A61F 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)}
A61F 2013/00842	...	{ for tearing off dressing of desired size }
A61F 2013/00846	..	{ with transparent or translucent part }
A61F 2013/00851	...	{ with grid or reference marks }
A61F 2013/00855	..	{ pervious to air or vapours (wound bandages in a special way pervious to air or vapour A61F 2013/00246)}
A61F 2013/00859	...	{ with macroscopic openings }
A61F 2013/00863	...	{ with pores }
A61F 2013/00868	...	{ thin film }
A61F 2013/00872	...	{ with controlled oxygen permeability }
A61F 2013/00876	...	{ vapour permeability >500 g/mg/24h }
A61F 2013/0088	....	{ adjustable to a predetermined value }
A61F 2013/00885	...	{ impervious, i.e. occlusive bandage }
A61F 2013/00889	....	{ waterproof }
A61F 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)}
A61F 2013/00897	..	{ package for individual plaster }
A61F 2013/00902	..	{ containing means }
A61F 2013/00906	...	{ for transcutaneous or transdermal drugs application }
A61F 2013/0091	...	{ with disinfecting or anaesthetics means, e.g. anti-microbial }
A61F 2013/00914	...	{ with deodorising or perfuming means }
A61F 2013/00919	...	{ for physical therapy, e.g. cold or magnetic }
A61F 2013/00923	....	{ triboelectricity (wound bandages with triboelectric materials A61F 2013/0034)}
A61F 2013/00927	...	{ with biological activity, e.g. enzymes for debriding wounds or others, collagen or growth factors }
A61F 2013/00931	....	{ chitin }
A61F 2013/00936	...	{ metal (wound bandages with a metallic layer A61F 2013/00234)}
A61F 2013/0094	...	{ for sensing physical parameters (plasters for conducting test A61F 2013/00429)}

A61F 2013/00944	....	{ humidity; moisture }
A61F 2013/00948	....	{ Ph, e.g. acid }
A61F 2013/00953	....	{ temperature }
A61F 2013/00957	....	{ pressure }
A61F 2013/00961	....	{ electrical conductivity }
A61F 2013/00965	....	{ microbiological activity }
A61F 2013/0097	....	{ oxygen content }
A61F 2013/00974	...	{ for writing or drawing, e.g. labels }
A61F 2013/00978	..	{ attachments assembly for prosthesis; pouch, e.g. ostomy }
A61F 2013/00982	..	{ anallergic or hypoallergic material }
A61F 13/00987	.	{ Apparatus or processes for manufacturing non-adhesive dressings or bandages }
A61F 13/00991	..	{ for treating webs, e.g. for moisturising, coating, impregnating or applying powder }
A61F 13/00995	...	{ for mechanical treatments }
A61F 13/02	.	Adhesive plasters or dressings (A61F 13/06 to 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 })
A61F 13/0203	..	{ having a fluid handling member }
A61F 13/0206	...	{ the fluid handling member being absorbent fibrous layer , e.g. woven or nonwoven absorbent pad, island dressings }
A61F 13/0209	....	{ comprising superabsorbent material }
A61F 13/0213	...	{ the fluid handling member being a layer of hydrocolloid, gel forming material }
A61F 13/0216	...	{ the fluid handling member being non absorbent, e.g. for use with sub- or over-pressure therapy, wound drainage or wound irrigation systems }
A61F 13/022	...	{ having more than one layer with different fluid handling characteristics }
A61F 13/0223	...	{ characterized by parametric properties of the fluid handling layer e.g. absorbency, wicking capacity, liquid distribution }
A61F 13/0226	...	{ characterised by the support layer }
A61F 13/023	..	{ wound covering film layers without a fluid handling layer }
A61F 13/0233	...	{ characterised by the occlusive layer skin contacting layer }
A61F 13/0236	...	{ characterised by the application/handling support layer }
A61F 13/024	....	{ the application or handling support layer being removable }
A61F 13/0243	...	{ characterised by the properties of the skin contacting layer, e.g. air-vapor permeability }
A61F 13/0246	..	{ characterised by the skin adhering layer }
A61F 13/025	...	{ having a special distribution arrangement of the adhesive }
A61F 13/0253	...	{ characterized by the adhesive material }
A61F 13/0256	...	{ characterized by the parametric properties of the adhesive }
A61F 13/0259	..	{ characterised by the release liner covering the skin adhering layer }
A61F 13/0263	...	{ especially adapted for island dressings }
A61F 13/0266	...	{ especially adapted for wound covering/occlusive dressings }

- A61F 13/0269 .. { 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 19/08](#); attaching catheters [A61M 25/02](#))}
- A61F 13/0273 .. { Adhesive bandages for winding around limb, trunk or head, e.g. cohesive }
- A61F 13/0276 .. { Apparatus or processes for manufacturing adhesive dressings or bandages }
- A61F 13/0279 ... { by attaching individual patches on moving webs }
- A61F 13/0283 ... { for making adhesive or cohesive tape or fabrics therefor, e.g. coating or mechanical treatments }
- A61F 13/0286 ... { manufacturing of non adhesive dressings }
- A61F 13/0289 ... { manufacturing of adhesive dressings }
- A61F 13/0293 ... { manufacturing of plaster of Paris }
- A61F 2013/0296 ... { for making transdermal patches (chemical processes excluded)}

- A61F 13/04 . Plaster of Paris bandages; Other stiffening bandages ([A61F 13/06](#) to [A61F 13/15](#) take precedence)
- A61F 13/041 .. { Accessories for stiffening bandages, e.g. cast liners, heel-pieces }
- A61F 13/043 ... { Shoe-like cast covers; Cast socks ([A61F 15/004](#) takes precedence; shoe-like orthopaedic devices for protecting the feet against injuries after operations [A61F 5/0195](#); walking soles [A61F 13/045](#))}
- A61F 13/045 ... { Walking soles or heels }
- A61F 13/046 ... { Incorporated ventilation or cooling devices }
- A61F 13/048 ... { Braces for connecting two cast parts, e.g. hinged cast braces (orthoses [A61F 5/0102](#))}

- A61F 13/06 . specially adapted for feet or legs; Corn-pads; Corn-rings
- A61F 13/061 .. { for knees (incorporating non-textile reinforcing elements, e.g. springs or stays, [A61F 5/0111](#); Patella supports)}
- A61F 13/062 ... { Openable readjustable }
- A61F 13/063 .. { Corn-pads; Corn-rings }
- A61F 13/064 .. { for feet (incorporating non-textile reinforcing elements, e.g. springs or stays [A61F 5/0111](#); corn-pads, corn-rings [A61F 13/063](#))}
- A61F 13/065 ... { Looped bandages around the forefoot ([A61F 13/068](#) takes precedence)}
- A61F 13/066 ... { for the ankle }
- A61F 13/067 ... { for the sole of the foot (rigid shoe insertions for supporting the sole [A61F 5/14](#))}
- A61F 13/068 ... { for the toes (toe correcting or spreading devices [A61F 5/019](#))}
- A61F 13/069 ... { Decubitus ulcer bandages }
- A61F 13/08 .. Elastic stockings; for contracting aneurisms
- A61F 13/085 ... { Openable readjustable }

- A61F 13/10 . specially adapted for fingers, hands, or arms; Finger-stalls; Nail-protectors {(restraining devices for arms [A61F 5/37](#); shoulder bandages [A61F 13/14](#))}
- A61F 13/101 .. { for the elbow, e.g. decubitus ulcer bandages ([A61F 13/107](#) takes precedence)}
- A61F 13/102 ... { Openable readjustable }

- A61F 13/104 .. { for the hands or fingers ([A61F 13/107](#) takes precedence)}
- A61F 13/105 ... { for the fingers; Finger-stalls; Nail-protectors (devices for correcting deformities of the nails [A61F 5/11](#))}
- A61F 13/107 .. { for wrist support (incorporating non-textile reinforcing elements, e.g. springs or metal braces [A61F 5/0118](#)); Compression devices for tennis elbow (epicondylitis) }
- A61F 13/108 ... { Openable readjustable }

- A61F 13/12 . specially adapted for the head or neck
- A61F 13/122 .. { specially adapted for the face }
- A61F 13/124 ... { specially adapted for the eyes }
- A61F 13/126 ... { specially adapted for the nose }
- A61F 13/128 .. { specially adapted for the neck }

- A61F 13/14 . specially adapted for the breast or abdomen ([corsets or bandages for support of breast or abdomen A61F 5/03](#))
- A61F 13/141 .. { Milk breast pads }
- A61F 13/143 .. { Thorax bandages or bandaging garments }
- A61F 13/145 ... { specially adapted for the female anatomy }
- A61F 13/146 .. { Shoulder bandages or bandaging garments }
- A61F 13/148 .. { Abdomen bandages or bandaging garments }

- A61F 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

- A61F 2013/15008 .. { characterized by the use }
- A61F 2013/15016 ... { for breast; pads for bras }
- A61F 2013/15024 ... { for protecting the body against ulcers }
- A61F 2013/15032 ... { as umbilical bandage }
- A61F 2013/1504 { for avoiding contact with umbilical region }
- A61F 2013/15048 ... { for protection against contamination, or protection in using body disinfecting wipes }
- A61F 2013/15056 { for the protection for furniture, e.g. car seats, chairs, beds }
- A61F 2013/15065 { for protecting in contaminated ambience, e.g. NBC or industrial chemicals }
- A61F 2013/15073 ... { as drapes }
- A61F 2013/15081 ... { as prophylaxis }
- A61F 2013/15089 { as facial prophylaxis }
- A61F 2013/15097 { as genital prophylaxis }
- A61F 2013/15105 { as contraceptive, e.g. condom }
- A61F 2013/15113 ... { for haemorrhoids }
- A61F 2013/15121 ... { for mild incontinence }
- A61F 2013/1513 ... { for anal discharge }
- A61F 2013/15138 { for flatus, i.e. gas }

A61F 2013/15146	...	{ for urine collection }
A61F 2013/15154	...	{ for hospitalised patients }
A61F 2013/15162	...	{ for jaundice phototherapy, i.e. UV light-permeable or transparent materials }
A61F 2013/1517	...	{ for puerperae, i.e. after childbirth }
A61F 2013/15178	...	{ for prevention and therapy of hip dysplasia or subluxation }
A61F 2013/15186	...	{ for animals }
A61F 2013/15195	...	{ as swimwear }
A61F 13/15203	..	{ Properties of the article, e.g. stiffness or absorbency (chemical aspects A61L 15/00) }
A61F 13/15211	...	{ soluble or disintegratable in liquid }
A61F 2013/15219	....	{ by mechanical separation of water resistant parts }
A61F 2013/15227	....	{ by its solubility in particular Ph solution }
A61F 2013/15235	....	{ by its solubility in water }
A61F 2013/15243	...	{ printed or coloured, e.g. to match skin }
A61F 13/15252	...	{ compostable or biodegradable }
A61F 2013/1526	....	{ compostable }
A61F 13/15268	...	{ reusable (with separable parts A61F 13/505) }
A61F 2013/15276	...	{ washable }
A61F 2013/15284	...	{ characterized by quantifiable properties }
A61F 2013/15292	....	{ Resistance, i.e. modulus or strength }
A61F 2013/153	.....	{ in dry conditions }
A61F 2013/15308	.....	{ in wet conditions, i.e. wet strength }
A61F 2013/15317	.....	{ Wet compressibility, i.e. void volume/gr }
A61F 2013/15325	.....	{ Stress relaxation or compression recovery }
A61F 2013/15333	.....	{ to hot, e.g. 90 decC washing procedures }
A61F 2013/15341	.....	{ to fire or flame }
A61F 2013/15349	.....	{ with controlled smoke emission }
A61F 2013/15357	....	{ Stiffness, e.g. Taber rigidity }
A61F 2013/15365	....	{ Dimensions }
A61F 2013/15373	.....	{ Calliper, i.e. thickness }
A61F 2013/15382	.....	{ Reduced thickness }
A61F 2013/1539	.....	{ being expandable }
A61F 2013/15398	.....	{ for giving the illusion of a thick absorbent pad }
A61F 2013/15406	....	{ Basis weight }
A61F 2013/15414	....	{ Bulk thickness }
A61F 2013/15422	....	{ Density }
A61F 2013/1543	.....	{ with a density gradient in the horizontal plane }
A61F 2013/15439	.....	{ with a density gradient in the vertical plane }
A61F 2013/15447	....	{ Fibre dimension, e.g. denier or tex }
A61F 2013/15455	.....	{ Volume-to-fibre surface area ratio }

A61F 2013/15463	....	{ Absorbency }
A61F 2013/15471	.....	{ Total capacity }
A61F 2013/15479	.....	{ Drip capacity }
A61F 2013/15487	....	{ Capillary properties, e.g. wicking }
A61F 2013/15495	.....	{ pore dimension }
A61F 2013/15504	.....	{ with a porosity gradient in the vertical or horizontal plane }
A61F 2013/15512	.....	{ with specific hydrophilicity }
A61F 2013/1552	.....	{ with specific diffusion velocity }
A61F 2013/15528	.....	{ with specific capillary or osmotic pressure }
A61F 2013/15536	.....	{ with a capillarity gradient in the vertical or horizontal plane }
A61F 2013/15544	....	{ Permeability }
A61F 2013/15552	.....	{ Air permeability }
A61F 2013/1556	.....	{ Water permeability }
A61F 2013/15569	....	{ Adhesivity }
A61F 13/15577	..	{ Apparatus or processes for manufacturing }
A61F 13/15585	...	{ of babies' napkins, e.g. diapers (A61F 13/15617 to A61F 13/15804 take precedence)}
A61F 13/15593	....	{ having elastic ribbons fixed thereto; Devices for applying the ribbons }
A61F 13/15601	.....	{ the ribbons being applied transversely to the direction of the movement of the webs the diapers are being made of }
A61F 13/15609	.....	{ the ribbons being applied in an irregular path }
A61F 13/15617	...	{ Making absorbent pads from fibres or pulverulent material with or without treatment of the fibres }
A61F 13/15626	....	{ Making fibrous pads without outer layers }
A61F 13/15634	....	{ Making fibrous pads between sheets or webs }
A61F 13/15642	....	{ by depositing continuous layers or pads of fibrous material on single sheets or webs }
A61F 13/1565	....	{ by depositing continuous layers of fibrous material between webs, e.g. wrapping layers of fibrous material }
A61F 13/15658	....	{ Forming continuous, e.g. composite, fibrous webs, e.g. involving the application of pulverulent material on parts thereof }
A61F 13/15666	...	{ Wrapping formed fibrous webs or pads, e.g. the pads being formed by uniting pad pieces cut from fibrous webs }
A61F 13/15674	....	{ by wrapping webs or pads between webs moving in their longitudinal direction }
A61F 13/15682	....	{ by folding webs, moving in their longitudinal direction, around webs or pads }
A61F 13/15691	....	{ by inserting webs or pads in a tube or a netting, e.g. involving forming of the tube or netting }
A61F 13/15699	...	{ Forming webs by bringing together several webs, e.g. by laminating or folding several webs, with or without additional treatment of the webs }
A61F 13/15707	...	{ Mechanical treatment, e.g. notching, twisting, compressing, shaping }
A61F 2013/15715	....	{ Shaping or making outer layers }

A61F 13/15723	....	{ Partitioning batts; Cutting }
A61F 13/15731	....	{ Treating webs, e.g. for giving them a fibrelike appearance, e.g. by embossing }
A61F 13/15739	....	{ Sealing, e.g. involving cutting }
A61F 13/15747	....	{ Folding; Pleating; Coiling; Stacking; Packaging }
A61F 13/15756	...	{ Applying tabs, strips, tapes, loops; Knotting the ends of pads }
A61F 13/15764	...	{ Transferring, feeding or handling devices; Drives }
A61F 13/15772	...	{ Control }
A61F 2013/1578	....	{ via optical means associated to computer coordinator }
A61F 2013/15788	....	{ of the presence of the article or components }
A61F 2013/15796	....	{ of the alignment or position of article or components }
A61F 13/15804	...	{ Plant, e.g. involving several steps }
A61F 2013/15813	....	{ with modular lines }
A61F 2013/15821	...	{ characterized by the apparatus for manufacturing }
A61F 2013/15829	....	{ using pressure liquid jet }
A61F 2013/15837	....	{ using solvent }
A61F 2013/15845	....	{ using a specific cam for programming the apparatus }
A61F 2013/15853	....	{ using a specific computer algorithm for programming the apparatus }
A61F 2013/15861	....	{ for bonding }
A61F 2013/15869	.....	{ with ultrasonic energy }
A61F 2013/15878	.....	{ by thermal bonding }
A61F 2013/15886	.....	{ by spot bonding }
A61F 2013/15894	.....	{ by infra-red radiation }
A61F 2013/15902	.....	{ with specific parameters, e.g. temperature, pressure }
A61F 2013/1591	.....	{ via adhesive }
A61F 2013/15918	....	{ for die cutting }
A61F 2013/15926	....	{ for vacuum forming }
A61F 2013/15934	....	{ for making non-woven }
A61F 2013/15943	.....	{ by air-laid technique }
A61F 2013/15951	.....	{ by wet-laid technique }
A61F 2013/15959	.....	{ by spunbond technique }
A61F 2013/15967	.....	{ by meltblown technique }
A61F 2013/15975	.....	{ by non-bonded and deformable technique }
A61F 2013/15983	.....	{ by hydroentangled technique }
A61F 2013/15991	.....	{ in making composite multi-layered product }
A61F 2013/16	..	{ Sanitary towels; Means for supporting or fastening them }

WARNING

For group **A61F 13/16** and subgroups see warning after [A61F 13/00](#)

A61F 13/20 .. Tampons, e.g. catamenial tampons; Accessories therefor

WARNING

For group [A61F 13/20](#) and subgroups see warning after [A61F 13/00](#)

- A61F 13/2002 ... { characterised by the use }
- A61F 13/2005 { specially adapted for the nose cavity }
- A61F 13/2008 { specially adapted for the oral cavity }
- A61F 13/2011 { specially adapted for anal cavity }
- A61F 2013/2014 { for endoscopic procedures }
- A61F 13/2017 { specially adapted for the ear cavity }
- A61F 13/202 { Catamenial tampons ([A61F 13/2022-A61F 13/34](#) take precedence)}
- A61F 13/2022 ... { characterised by the shape }
- A61F 13/2025 { adapted to change of shape once expelled of the applicator }
- A61F 13/2028 { adapted to change of shape after absorption of liquid }
- A61F 13/2031 { having depressions or elevations, e.g. dots, lines }
- A61F 13/2034 { having grooves or ribs, having a main axis in the longitudinal direction }
- A61F 13/2037 { having grooves or ribs, having a main axis in the radial direction }
- A61F 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](#))}
- A61F 13/2042 { having a central tubular opening }
- A61F 13/2045 { Cup-shaped type tampons N: (non-absorbent catamenial cups [A61F 5/4553](#))}
- A61F 13/2048 { Ball-shaped tampons }
- A61F 13/2051 ... { characterised by the material or the structure of the inner absorbing core }
- A61F 13/2054 { made by compressing a not-rolled web or pledged }
- A61F 13/2057 { made of foam }
- A61F 13/206 { Tampons made of rolled-up material }
- A61F 13/2062 { Tampons made from folded lengths of material, e.g. of string }
- A61F 13/2065 { Tampons folded from sheets of material ([A61F 13/22](#) takes precedence)}
- A61F 13/2068 { Tampons made from several layers ([A61F 13/2065](#), [A61F 13/22](#) take precedence)}
- A61F 13/2071 ... { characterised by the material or the structure of the outer layer }
- A61F 13/2074 ... { impregnated with hydrophobic, hydrophilic, skin enhancers, medicinal etc. substances }
- A61F 13/2077 ... { having a visual effect e.g. printed or embossed }
- A61F 13/208 ... { having means for avoiding leakage e.g. liquid impermeable withdrawal end ([A61F 13/204](#) takes precedence)}
- A61F 13/2082 ... { Apparatus or processes of manufacturing }
- A61F 13/2085 { Catamenial tampons }
- A61F 13/2088 { shaping the tampon by compressing }
- A61F 13/2091 { providing grooves on the tampon }

- A61F 13/2094 { rolling a web material to form a tampon }
- A61F 13/2097 { method of manufacturing tampon applicators }
- A61F 13/26 ... Means for inserting tampons, { i.e. applicators }
- A61F 13/263 { with reduced length before use, e.g. with folding rod }
- A61F 13/266 { Insertion devices, e.g. rods or plungers, separate from the tampon }
- A61F 13/28 with lubricating means
- A61F 13/34 ... Means for withdrawing tampons { , e.g. withdrawal strings }
- A61F 13/36 .. Surgical swabs, e.g. for absorbency or packing body cavities during surgery
(A61F 13/38 takes precedence)

WARNING

See warning after [A61F 13/00](#)

- A61F 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](#))}
- A61F 13/385 ... { Apparatus or processes of manufacturing }
- A61F 13/42 .. with wetness indicator or alarm

WARNING

See warning after [A61F 13/00](#)

- A61F 2013/421 ... { the alarm being a temperature change }
- A61F 2013/422 ... { the alarm being a colour change }
- A61F 2013/423 ... { the alarm being a volume change or a movement of a component }
- A61F 2013/424 ... { having an electronic device }
- A61F 2013/425 ... { being also a toilet training aid }
- A61F 2013/426 ... { Moisture sensitive polymers }
- A61F 2013/427 ... { pH indicator }
- A61F 2013/428 ... { for articles with superabsorbent materials }
- A61F 2013/429 ... { Thermochromic materials, e.g. ink or dye }
- A61F 13/44 .. with radio-opaque material or signalling means for residual material

WARNING

See warning after [A61F 13/00](#)

- A61F 13/45 .. characterised by the shape (cup-shaped type tampons [A61F 13/24](#))
- A61F 2013/4506 ... { special configurations using catheter or tube }
- A61F 2013/4512 ... { folded in special shape during use ([A61F 13/534](#) , [A61F 13/551](#), [A61F 13/56](#), [A61F 13/15747](#) take precedence)}
- A61F 2013/4518 { formed from two separated panels }
- A61F 2013/4525 { by front and rear joined laterally at the crotch }

A61F 2013/4531	.....	{ by lateral panels joined at the centreline, i.e. along the longitudinal axis }
A61F 2013/4537	....	{ with aeration ducts (with hose-like, tubular sealing barriers A61F 13/49473) }
A61F 2013/4543	....	{ with a special transverse section (A61F 13/534 takes precedence) }
A61F 2013/455	.....	{ having a "W" shape }
A61F 2013/4556	.....	{ having a "M" shape }
A61F 2013/4562	.....	{ cup-shaped }
A61F 2013/4568	....	{ three-dimensional; with split absorbent core }
A61F 2013/4575	.....	{ connected by elastic means }
A61F 2013/4581	.....	{ with absorbent core in separated pieces }
A61F 2013/4587	...	{ with channels or deep spot depressions on the upper surface (A61F 13/4704 and A61F 13/49001 take precedence) }
A61F 2013/4593	...	{ allowing introduction of medical instruments without removing the absorbent article }
A61F 13/47	...	Sanitary towels, incontinence pads or napkins (A61F 13/49 takes precedence)
A61F 13/4702	....	{ having a reinforcing member }
A61F 13/4704	....	{ having preferential bending zones, e.g. fold lines or grooves }
A61F 2013/4706	....	{ enlarged in the anal area }
A61F 2013/4708	....	{ Panty-liner }
A61F 13/471	....	specially adapted for male use
A61F 13/472	....	specially adapted for female use {(A61F 13/474 , A61F 13/475 , A61F 13/476 take precedence) }
A61F 13/47209	.....	{ having only interlabial part, i.e. with no extralabial parts }
A61F 13/47218	.....	{ with a raised crotch region, e.g. hump }
A61F 13/47227	.....	N: for interlabial use]
A61F 13/47236	.....	{ characterised by an unusual contour }
A61F 13/47245	.....	{ with asymmetry around the x or y axis }
A61F 13/47254	.....	{ with a tanga shape }
A61F 13/47263	.....	{ with activating means, e.g. elastic, heat or chemical activatable means }
A61F 13/47272	.....	{ with a longitudinal raised end, e.g. cup-shaped gluteal groove (for edge leakage prevention A61F 13/494) }
A61F 2013/47281	.....	{ with internal collecting device }
A61F 2013/4729	.....	{ combining catamenial pad and tampon }
A61F 13/474	....	adjustable
A61F 13/475	....	characterised by edge leakage prevention means
A61F 13/4751	.....	{ the means preventing fluid flow in a transversal direction }
A61F 13/4752	.....	{ the means being an upstanding barrier }
A61F 13/4753	.....	{ the barrier being not integral with the topsheet or backsheet }
A61F 13/4755	.....	{ the means being a flat barrier on or inside the absorbent article, e.g. backsheet wrapped around the edges }

A61F 13/4756	.....	{ the means consisting of grooves, e.g. channels, depressions or embossments, resulting in a heterogeneous surface level }
A61F 13/4757	.....	{ the means being located outside the perimeter of the absorbent core (A61F 13/4752 takes precedence)}
A61F 13/4758	.....	{ the means preventing fluid flow in a longitudinal direction }
A61F 13/476	....	characterised by encircling the crotch region of the undergarment
A61F 13/49	...	Absorbent articles specially adapted to be worn around the waist, e.g. diapers
A61F 13/49001	....	{ having preferential bending zones, e.g. fold lines or grooves }
A61F 13/49003	....	{ Reusable, washable fabric diapers }
A61F 13/49004	.....	{ with fastening means }
A61F 13/49006	.....	{ the reusable article being in the form of pants or briefs, e.g. slip or panty for light incontinence }
A61F 13/49007	....	{ Form-fitting, self-adjusting disposable diapers }
A61F 13/49009	.....	{ with elastic means }
A61F 13/49011	.....	{ the elastic means is located at the waist region }
A61F 13/49012	.....	{ the elastic means being elastic panels }
A61F 13/49014	.....	{ the elastic means is located at the side panels }
A61F 13/49015	.....	{ the elastic means being elastic panels }
A61F 13/49017	.....	{ the elastic means being located at the crotch region }
A61F 13/49019	.....	{ the elastic means being placed longitudinally, transversely or diagonally over the article }
A61F 13/4902	.....	{ characterised by the elastic material }
A61F 2013/49022	.....	{ being elastomeric sheet }
A61F 2013/49023	.....	{ being textured, e.g. corrugated }
A61F 2013/49025	.....	{ having multiple elastic strands }
A61F 2013/49026	.....	{ with variable spacing }
A61F 2013/49028	.....	{ with different tensile stress }
A61F 2013/4903	.....	{ being a net }
A61F 2013/49031	.....	{ being elastic in longitudinal direction }
A61F 2013/49033	.....	{ being elastic in transversal direction }
A61F 2013/49034	.....	{ being elastic in both the transversal and longitudinal direction }
A61F 2013/49036	.....	{ having a inelastic zone by deactivating the elastic property }
A61F 2013/49038	.....	{ the elastic means is located all around the absorbent article's perimeter }
A61F 2013/49039	.....	{ the elastic means is located around the target zone }
A61F 2013/49041	.....	{ having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019 }
A61F 2013/49042	.....	{ with only stretchable part , i.e. part being not elastic but only extensible with not a full recovery of its original length }
A61F 2013/49044	.....	{ being stretchable non-elastic panels, (A61F 13/4902 takes precedence)}
A61F 2013/49046	.....	{ at the crotch }

A61F 2013/49047	.....	{ at the ears }
A61F 2013/49049	.....	{ on the hips }
A61F 2013/4905	.....	{ at the waist }
A61F 2013/49052	.....	{ having a specific direction of stretchability }
A61F 2013/49053	.....	{ being stretchable in the longitudinal direction or machine direction, i.e. longitudinal }
A61F 2013/49055	.....	{ being stretchable in transversal direction or cross machine direction }
A61F 2013/49057	.....	{ being stretchable in both longitudinal and transversal direction }
A61F 13/49058	....	{ characterised by the modular concept of constructing the diaper }
A61F 13/4906	....	{ the diaper having an outer chassis forming the diaper and an independent absorbent structure attached to the chassis }
A61F 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 }
A61F 2013/49063	....	{ the diaper having decoupled components }
A61F 2013/49065	.....	{ being joined by a transverse line }
A61F 2013/49066	.....	{ being joined by an area of low stiffness }
A61F 2013/49068	....	{ characterized by the shape of the outline }
A61F 2013/49069	.....	{ being rectangular, i.e. parallelepiped }
A61F 2013/49071	.....	{ being triangular }
A61F 2013/49073	.....	{ being trapezoidal }
A61F 2013/49074	.....	{ hourglass; dog bone-shaped }
A61F 2013/49076	.....	{ as "I"-shaped }
A61F 2013/49077	.....	{ as "T"-shaped }
A61F 2013/49079	.....	{ as backbone-shape }
A61F 2013/4908	.....	{ concave }
A61F 2013/49082	.....	{ being a complex shape not covered by the other groups A61F 2013/49068-A61F 2013/4908 }
A61F 2013/49084	....	{ conformable }
A61F 2013/49085	.....	{ with a multiplicity of rounded, i.e. spherical elements }
A61F 2013/49087	....	{ having breakable lateral stitches or panels }
A61F 2013/49088	....	{ characterized by the leg opening }
A61F 2013/4909	.....	{ being asymmetric leg openings }
A61F 2013/49092	.....	{ comprising leg cuffs }
A61F 2013/49093	.....	{ having multiple barriers }
A61F 2013/49095	.....	{ Being formed by lateral slets }
A61F 2013/49096	....	{ with braces }
A61F 2013/49098	....	{ Other Details not otherwise provided of the absorbent articles specially adapted to be worn around the waist }
A61F 13/491	....	specially adapted for gender distinct urine discharge pattern
A61F 13/4915	.....	{ specially adapted for male use }

A61F 13/493	....	adjustable { by adding or removing material e.g. umbilical cord arrangements (adjustable by the fastening A61F 13/5638 , A61F 13/5655)}
A61F 13/494	....	characterised by edge leakage prevention means
A61F 13/49406	.....	{ the edge leakage prevention means being at the crotch region }
A61F 13/49413	.....	{ the edge leakage prevention means being an upstanding barrier }
A61F 13/4942	.....	{ the barrier not being integral with the top- or back-sheet }
A61F 13/49426	.....	{ the barrier having an absorbent medium }
A61F 2013/49433	.....	{ the barrier having variable heights }
A61F 2013/4944	.....	{ having multiple barriers }
A61F 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)}
A61F 13/49453	.....	{ the edge leakage prevention sheet being combined with the impermeable backing sheet, e.g. integral with the backing sheet }
A61F 13/4946	.....	{ the edge leakage prevention means being an absorbent medium (A61F 13/49426 takes precedence)}
A61F 13/49466	.....	{ the edge leakage prevention means being at the waist region }
A61F 13/49473	.....	{ the edge leakage prevention means having a continuous closed form, e.g. circle, ellipse, rectangle }
A61F 2013/4948	.....	{ the edge leakage prevention means being elastic }
A61F 2013/49486	.....	{ the edge leakage prevention means being padded }
A61F 2013/49493	.....	{ the edge leakage prevention means being or forming three-dimensional barrier with raised lateral side-or end-wall }
A61F 13/495	....	with faecal cavity
A61F 2013/4951	.....	{ with internal barriers }
A61F 2013/4953	.....	{ with rear faecal part separate from front urinary part }
A61F 2013/4955	.....	{ with separable, disposable upper body layer }
A61F 2013/4956	.....	{ with vertical spacer or separator keeping other components out of contact }
A61F 2013/4958	.....	{ with a faecal management layer }
A61F 13/496	....	in the form of pants or briefs
A61F 13/4963	.....	{ characterized by the seam }
A61F 2013/4966	.....	{ with intentionally damp topsheet }
A61F 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 })
A61F 2013/5055	...	{ Possibility of doubling or putting in new pieces }
A61F 13/51	..	characterised by the outer layers {(wicking or transfer layers A61F 13/537)}
A61F 2013/51002	...	{ with special fibres }
A61F 2013/51004	....	{ characterized by the length of the fibres }
A61F 2013/51007	....	{ characterized by the orientation of fibres }
A61F 2013/51009	....	{ characterized by the shape of the fibres }
A61F 2013/51011	.....	{ characterized by the count of the fibres, e.g. denier or tex }

A61F 2013/51014	....	{ characterized by the connection between the fibres }
A61F 2013/51016	.....	{ followed by a distension heat treatment }
A61F 2013/51019	....	{ being cellulosic material }
A61F 2013/51021	.....	{ being chemically modified }
A61F 2013/51023	....	{ being polymeric fibres }
A61F 2013/51026	.....	{ being in thermoplastic material }
A61F 2013/51028	.....	{ being bicomponent }
A61F 2013/5103	.....	{ being hydrophobic }
A61F 2013/51033	.....	{ being hydrophilic }
A61F 2013/51035	.....	{ being biodegradable, e.g. Rayon, polylactate, dioxanone }
A61F 2013/51038	....	{ being a mixture of fibres }
A61F 2013/5104	.....	{ with pulp and polymeric fibres }
A61F 2013/51042	.....	{ with hydrophobic and hydrophilic fibres }
A61F 2013/51045	.....	{ with thermoplastic binder }
A61F 2013/51047	.....	{ with antibacterial agents }
A61F 2013/5105	.....	{ with mineral or inert material }
A61F 2013/51052	.....	{ having different diameters }
A61F 2013/51054	.....	{ having different densities }
A61F 2013/51057	.....	{ having different ratio of fibres }
A61F 2013/51059	...	{ being sprayed with chemicals }
A61F 2013/51061	....	{ for rendering the surface hydrophobic }
A61F 2013/51064	.....	{ in the legs area }
A61F 2013/51066	....	{ for rendering the surface hydrophilic }
A61F 2013/51069	.....	{ by hydrophilisation with plasma or corona discharge }
A61F 2013/51071	....	{ with anti-static agents }
A61F 2013/51073	....	{ with lubricants }
A61F 2013/51076	....	{ with perfumes or odour-masking agents }
A61F 2013/51078	...	{ being embossed }
A61F 2013/5108	....	{ in grids }
A61F 2013/51083	....	{ in point }
A61F 2013/51085	....	{ in diamonds }
A61F 2013/51088	....	{ in very fine micro-texture }
A61F 2013/5109	...	{ with odour control }
A61F 2013/51092	...	{ characterized by the dimensions }
A61F 2013/51095	...	{ being metallic }
A61F 2013/51097	...	{ with high friction coefficient for fixation of the bandage }
A61F 13/511	...	Topsheet, i.e. the permeable cover or layer facing the skin
A61F 13/51104	....	{ the top sheet having a three-dimensional cross-section e.g. corrugations, embossments, recesses or projections }

A61F 13/51108	.....	{ the top sheet having corrugations or embossments having one axis relatively longer than the other axis e.g. forming channels or grooves in a longitudinal direction }
A61F 13/51113	....	{ comprising an additive e.g. lotion or odour control A61F 13/51108 takes precedence }
A61F 2013/51117	.....	{ the lotion having skin care properties }
A61F 13/51121	....	{ characterised by the material }
A61F 2013/51126	.....	{ being nets }
A61F 2013/51113	.....	{ being foams }
A61F 2013/51134	.....	{ the foam being compressed and expandable, e.g. a cellulosic sponge }
A61F 2013/51139	.....	{ being woven or knitted fabrics }
A61F 2013/51143	.....	{ being papers }
A61F 2013/51147	.....	{ being polymeric films }
A61F 2013/51152	.....	{ having specific distance between the fibres }
A61F 2013/51156	.....	{ having integrally attached }
A61F 13/5116	....	{ being formed of multiple layers (A61F 13/5123 takes precedence)}
A61F 2013/51165	.....	{ with the combination of films and nonwovens }
A61F 2013/51169	.....	{ the nonwoven being hydroentangled or needlingentangled to the film }
A61F 2013/51173	.....	{ with the combination of polymeric films }
A61F 2013/51178	.....	{ with the combination of nonwoven webs }
A61F 2013/51182	.....	{ with non-continuous bonding }
A61F 2013/51186	....	{ specially shaped topsheets }
A61F 2013/51191	.....	{ Self-sealing top layers }
A61F 2013/51195	.....	{ not contacting the absorber }
A61F 13/512	....	characterised by its apertures, e.g. perforations
A61F 13/5121	.....	{ characterised by the vertical shape of the apertures e.g. three dimensional apertures , e.g. macro-apertures }
A61F 13/5122	.....	N: and comprising secondary apertures e.g. macro-apertures in combination with micro-apertures]
A61F 13/5123	.....	{ the apertures being formed on a multilayer top sheet }
A61F 13/5125	.....	{ the apertures not being formed through the complete thickness of the topsheet e.g. blind holes (blind holes in a single layered topsheet A61F 13/51104)}
A61F 13/5126	.....	{ characterised by the planar distribution of the apertures, e.g. in a predefined pattern }
A61F 2013/5127	.....	{ characterized by the dimension of apertures }
A61F 2013/5128	.....	{ characterized by open targets or acquisitions or vulnerability zones }
A61F 13/513	....	{ characterised by its function or properties, e.g. stretchability, breathability, rewet, visual effect; } having areas of different permeability
A61F 13/51305	.....	{ having areas of different permeability }
A61F 13/51311	.....	{ the permeability gradient being in the vertical direction }

A61F 2013/51316	.....	{ with low friction coefficient }
A61F 2013/51322	.....	{ being elastomeric or stretchable }
A61F 2013/51327	.....	{ in only one specific direction }
A61F 2013/51333	.....	{ in only specific parts or sections of the top layer }
A61F 2013/51338	.....	{ having improved touch or feeling, e.g. smooth film }
A61F 2013/51344	.....	{ with pile webs or velvet-like tissues }
A61F 2013/5135	.....	{ with flame retardant agents or fire extinguishing agents }
A61F 2013/51355	.....	{ for improving fluid flow }
A61F 2013/51361	.....	{ with pleats or folds }
A61F 2013/51366	.....	{ with hydrophilic lower face }
A61F 2013/51372	.....	{ with valve or valve-like upper layer; Tapered capillary structures }
A61F 2013/51377	.....	{ having decoration properties }
A61F 2013/51383	.....	{ being adapted for female properties }
A61F 2013/51388	.....	{ being adapted to male properties }
A61F 13/51394	.....	{ 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 }
A61F 13/514	...	backsheet, i.e. the impermeable cover or layer furthest from the skin {(A61F 13/15211, A61F 13/15252 take precedence)}
A61F 13/51401	....	{ characterised by the material }
A61F 13/51403	.....	{ with activating means, e.g. for closing apertures upon contact with water }
A61F 13/51405	.....	{ treated or coated, e.g. with moisture repellent agent }
A61F 2013/51407	.....	{ being flexible }
A61F 2013/51409	.....	{ being a film }
A61F 2013/51411	.....	{ being impervious to fluids but not for air or vapours }
A61F 2013/51413	.....	{ with macroscopic openings }
A61F 2013/51415	.....	{ with pores }
A61F 2013/51417	.....	{ with thin films }
A61F 2013/51419	.....	{ with stretched areas }
A61F 2013/51421	.....	{ only in special places }
A61F 2013/51423	.....	{ the vapour permeability being less than 500g/m/24h }
A61F 2013/51425	.....	{ being impervious, i.e. occlusive }
A61F 2013/51427	.....	{ having valves }
A61F 2013/51429	.....	{ being elastomeric or stretchable sheet }
A61F 2013/51431	.....	{ in the composition of the elastomer }
A61F 2013/51433	.....	{ being biodegradable }
A61F 2013/51435	.....	{ having flame retardant agent or fire extinguishing agent }
A61F 2013/51437	.....	{ being integral with absorbent core }
A61F 2013/51439	.....	{ being foams }

A61F 2013/51441	.....	{ being a fibrous material }
A61F 2013/51443	.....	{ being impervious to fluids and being air permeable }
A61F 2013/51445	.....	{ comprising microfibres, e.g. Gore-Tex }
A61F 2013/51447	.....	{ being air permeable }
A61F 2013/51449	.....	{ being knitted or woven fabrics }
A61F 2013/5145	.....	{ being treated materials }
A61F 2013/51452	.....	{ being nonwovens }
A61F 2013/51454	.....	{ being papers }
A61F 13/51456	....	{ characterised by its properties }
A61F 13/51458	.....	{ being air-pervious or breathable }
A61F 13/5146	.....	{ having apertures of perforations }
A61F 13/51462	.....	{ being defined by a value or parameter }
A61F 13/51464	.....	{ being stretchable or elastomeric }
A61F 13/51466	.....	{ providing stretchability without the use of elastic material }
A61F 2013/51468	.....	{ being removable }
A61F 2013/5147	.....	{ the outer layer being adhesive itself }
A61F 2013/51472	.....	{ for reducing noise }
A61F 13/51474	....	{ characterised by its structure }
A61F 13/51476	.....	{ being three-dimensional, e.g. embossed, textured, pleated, or with three-dimensional features, like gathers or loops }
A61F 13/51478	.....	{ being a laminate, e.g. multi-layered or with several layers }
A61F 13/5148	.....	{ having an impervious inner layer and a cloth-like outer layer }
A61F 2013/51482	.....	{ being laminated on paper }
A61F 13/51484	.....	{ being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures }
A61F 2013/51486	.....	{ with specially shaped backsheets }
A61F 2013/51488	.....	{ for napkins }
A61F 2013/5149	.....	{ being embossed }
A61F 2013/51492	.....	{ having specially shaped gas or air bubbles or bag-like structure }
A61F 2013/51494	.....	{ having underlayer extending around the longitudinal edges of the absorbent core }
A61F 13/51496	....	{ having visual effects }
A61F 13/51498	....	{ Details not otherwise provided for }
A61F 13/515	...	characterised by the interconnection of the topsheet and the backsheet
A61F 13/52	...	Layers coated or treated to decrease absorbency
A61F 13/53	..	characterised by the absorbing medium (A61F 13/20 takes precedence)
A61F 2013/530007	...	{ being made from pulp }
A61F 2013/530014	....	{ being made in hard wood pulp }
A61F 2013/530021	....	{ being made in soft wood pulp }
A61F 2013/530029	....	{ being made from cotton }
A61F 2013/530036	....	{ being made in chemically-modified cellulosic material, e.g. Rayon }

A61F 2013/530043	.....	{ being made in oxidized cellulose }
A61F 2013/530051	.....	{ being made in cross-linked cellulosic fibres }
A61F 2013/530058	....	{ with specific method of producing wood pulp fibres }
A61F 2013/530065	.....	{ with chemical pulp }
A61F 2013/530072	.....	{ with sulphate pulp, e.g. Kraft }
A61F 2013/53008	.....	{ being unbleached }
A61F 2013/530087	.....	{ with debonding agents }
A61F 2013/530094	.....	{ with mechanical pulp }
A61F 2013/530102	.....	{ with thermomechanical pulp }
A61F 2013/530109	.....	{ with chemithermomechanical pulp }
A61F 2013/530116	.....	{ with recycled material, e.g. paper }
A61F 2013/530124	.....	{ with compressed and delaminated material }
A61F 2013/530131	...	{ being made in fibre but being not pulp }
A61F 2013/530138	....	{ characterized by the fibre length }
A61F 2013/530145	.....	{ being short }
A61F 2013/530153	.....	{ being long }
A61F 2013/53016	....	{ having special shape }
A61F 2013/530167	.....	{ being crimped }
A61F 2013/530175	.....	{ with capillary channel }
A61F 2013/530182	....	{ characterized by the connection between the fibres }
A61F 2013/530189	.....	{ with thermoplastic adhesive }
A61F 2013/530197	.....	{ with water-soluble binder }
A61F 2013/530204	.....	{ being alcohol-based binder }
A61F 2013/530211	.....	{ with water-insoluble binder }
A61F 2013/530218	.....	{ followed by heat treatment }
A61F 2013/530226	....	{ with polymeric fibres }
A61F 2013/530233	.....	{ being thermoplastic fibres }
A61F 2013/53024	.....	{ being bicomponent fibres }
A61F 2013/530248	.....	{ being thermosetting fibres }
A61F 2013/530255	.....	{ being hydrophobic fibres }
A61F 2013/530262	.....	{ only in particular parts or specially arranged }
A61F 2013/53027	.....	{ the maximum being at the crotch }
A61F 2013/530277	.....	{ the maximum being at front or rear }
A61F 2013/530284	.....	{ the maximum being at a certain depth in the thickness }
A61F 2013/530291	.....	{ the maximum being along the sides }
A61F 2013/530299	.....	{ being hydrophilic fibres }
A61F 2013/530306	.....	{ coated with superabsorbent polymer }
A61F 2013/530313	.....	{ being biodegradable }
A61F 2013/530321	.....	{ in biopolymer, e.g. PHA }
A61F 2013/530328	....	{ being mineral fibres, e.g. glass }

A61F 2013/530335	....	{ being in peat moss }
A61F 2013/530343	....	{ being natural fibres }
A61F 2013/53035	.....	{ of cotton }
A61F 2013/530357	.....	{ of wool }
A61F 2013/530364	.....	{ of bamboo }
A61F 2013/530372	.....	{ of ramie or jute or linen }
A61F 2013/530379	....	{ comprising mixtures of fibres }
A61F 2013/530386	.....	{ with pulp and polymeric }
A61F 2013/530394	.....	{ in coform }
A61F 2013/530401	.....	{ with hydrophobic and hydrophilic fibres }
A61F 2013/530408	.....	{ with thermoplastic binder }
A61F 2013/530416	.....	{ having different count e.g. denier or tex }
A61F 2013/530423	.....	{ having different densities }
A61F 2013/53043	.....	{ with different ratio of components }
A61F 2013/530437	...	{ having a part with elevated absorption means }
A61F 2013/530445	....	{ by defining a target or acquisition or vulnerability zone }
A61F 2013/530452	....	{ having chemically-stiffened fibres }
A61F 2013/530459	.....	{ being curled }
A61F 2013/530467	.....	{ being twisted }
A61F 2013/530474	.....	{ being cross-linked }
A61F 2013/530481	...	{ having superabsorbent materials, i.e. highly absorbent polymer gel materials }
A61F 2013/530489	....	{ being randomly mixed in with other material }
A61F 2013/530496	.....	{ being fixed to fibres }
A61F 2013/530503	.....	{ comprising poly-aluminium-chloride }
A61F 2013/53051	....	{ being only in particular parts or specially arranged }
A61F 2013/530518	.....	{ the maximum being at the crotch }
A61F 2013/530525	.....	{ the maximum being at front or rear }
A61F 2013/530532	.....	{ the maximum being at certain depth in the thickness }
A61F 2013/53054	.....	{ the maximum being along the side edges }
A61F 2013/530547	.....	{ positioned in a separate layer or layers }
A61F 2013/530554	.....	{ and being fixed to a web }
A61F 2013/530562	.....	{ being arranged in discontinuous pattern }
A61F 2013/530569	....	{ characterized by the particle size }
A61F 2013/530576	.....	{ having different size in different parts }
A61F 2013/530583	....	{ characterized by the form }
A61F 2013/530591	.....	{ in granules or particles }
A61F 2013/530598	.....	{ in aggregates }
A61F 2013/530605	.....	{ in sheet }
A61F 2013/530613	.....	{ in fibres }
A61F 2013/53062	.....	{ being made into a paper or non-woven }

A61F 2013/530627	.....	{ in flakes }
A61F 2013/530635	.....	{ in thin film }
A61F 2013/530642	.....	{ being cross-linked or polymerised in situ }
A61F 2013/530649	.....	{ in sponge or foam }
A61F 2013/530656	.....	{ being cut into pieces }
A61F 2013/530664	.....	{ being a knitted or woven fabric }
A61F 2013/530671	....	{ being mixed with mineral or inert material, e.g. "introfying particles" }
A61F 2013/530678	.....	{ with citric acid }
A61F 2013/530686	.....	{ with metallic soluble salts, e.g. Na, K, Mg chloride }
A61F 2013/530693	.....	{ with polymeric material }
A61F 2013/5307	....	{ characterized by the quantity or ratio of superabsorbent material }
A61F 2013/530708	....	{ characterized by the absorbency properties }
A61F 2013/530715	.....	{ by the acquisition rate }
A61F 2013/530722	.....	{ by the delayed absorbency }
A61F 2013/530729	.....	{ by the swelling rate }
A61F 2013/530737	.....	{ by the absorbent capacity }
A61F 2013/530744	.....	{ by the absorbency under load }
A61F 2013/530751	.....	{ by the centrifugal load }
A61F 2013/530759	.....	{ by the osmotic feature }
A61F 2013/530766	.....	{ by the cross-link factor }
A61F 2013/530773	.....	{ by the inverse temperature transition }
A61F 2013/530781	.....	{ by the ionic surfactant, e.g. salt resistant }
A61F 2013/530788	....	{ characterized by the gel layer permeability }
A61F 2013/530795	....	{ being biodegradable }
A61F 2013/530802	...	{ characterized by the foam or sponge other than superabsorbent (A61F 2013/530649 takes precedence)}
A61F 2013/53081	....	{ with special pore dimension or arrangement }
A61F 2013/530817	.....	{ being open cells }
A61F 2013/530824	.....	{ the cells being opened by mechanical or physical treatment }
A61F 2013/530832	.....	{ being closed cells }
A61F 2013/530839	....	{ being hydrophilic }
A61F 2013/530846	....	{ being hydrophobic }
A61F 2013/530854	....	{ being collapsed or collapsible foam }
A61F 2013/530861	....	{ having slit regions }
A61F 2013/530868	...	{ characterized by the liquid distribution or transport means other than wicking layer (A61F 13/537 takes precedence)}
A61F 2013/530875	....	{ having holes }
A61F 2013/530883	....	{ having folds }
A61F 2013/53089	....	{ having impervious part }
A61F 2013/530897	....	{ having capillary means, e.g. pore or fibre size gradient }

A61F 2013/530905	.....	{ being hydrophilic }
A61F 2013/530912	.....	{ being hydrophobic }
A61F 2013/530919	.....	{ being hydroneutral }
A61F 2013/530927	....	{ having longitudinal barriers }
A61F 2013/530934	.....	{ having a density gradient }
A61F 2013/530941	.....	{ through the thickness }
A61F 2013/530948	.....	{ along the length }
A61F 2013/530956	.....	{ being only in particular parts or specially arranged }
A61F 2013/530963	.....	{ being maximum at the crotch }
A61F 2013/53097	.....	{ being at front or rear region }
A61F 2013/530978	.....	{ being at a particular depth in the thickness }
A61F 2013/530985	.....	{ being along the side edges }
A61F 2013/530992	...	{ in the form of string or ball instead of sheets }
A61F 13/531	...	having a homogeneous composition through the thickness of the pad (A61F 13/538 , A61F 13/539 take precedence)
A61F 2013/5312	....	{ with structure resisting compression }
A61F 2013/5315	....	{ with a tissue-wrapped core }
A61F 2013/5317	....	{ with integral impervious bottom surface }
A61F 13/532	....	inhomogeneous in the plane of the pad
A61F 13/5323	.....	{ having absorbent material located in discrete regions, e.g. pockets }
A61F 2013/5326	.....	{ being a flanged fibrous pad }
A61F 13/533	.....	having discontinuous areas of compression
A61F 13/534	...	having an inhomogeneous composition through the thickness of the pad (A61F 13/538 , A61F 13/539 take precedence; homogeneous cores with tissue wrapping A61F 13/53)
A61F 13/53409	....	{ having a folded core }
A61F 13/53418	.....	{ having a C-folded cross-section }
A61F 13/53427	.....	{ having an e-folded cross-section }
A61F 13/53436	.....	{ having an undulated or corrugated cross-section }
A61F 2013/53445	....	{ from several sheets }
A61F 2013/53454	....	{ with mirror-like structure }
A61F 2013/53463	....	{ with a reinforcing structure, e.g. net }
A61F 2013/53472	.....	{ being a non-woven tissue wrapping the core }
A61F 2013/53481	....	{ being biodegradable }
A61F 2013/5349	....	{ being a tissue-wrapped core }
A61F 13/535	....	inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes {(A61F 13/5323 , A61F 13/537 take precedence)}
A61F 2013/5355	.....	{ with terraced core }
A61F 13/536	.....	having discontinuous areas of compression
A61F 13/537	....	characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer {(A61F 13/538 takes precedence)}

A61F 13/53704	.....	{ the layer having an inhibiting function on liquid propagation }
A61F 13/53708	.....	{ the layer having a promotional function on liquid propagation in at least one direction }
A61F 13/53713	.....	{ the layer having a promotional function on liquid propagation in the vertical direction }
A61F 13/53717	.....	{ the layer having a promotional function on liquid propagation in the horizontal direction }
A61F 2013/53721	.....	{ with capillary means }
A61F 2013/53726	.....	{ on the top layer }
A61F 2013/5373	.....	{ on the bottom layer }
A61F 2013/53734	.....	{ with compressed lines }
A61F 2013/53739	.....	{ with compressed points }
A61F 13/53743	.....	{ characterised by the position of the layer relative to the other layers }
A61F 13/53747	.....	{ the layer is facing the topsheet } (layer is part of the topsheet A61F 13/511)
A61F 13/53752	.....	{ the layer is embedded in the absorbent core }
A61F 13/53756	.....	{ the layer facing the back-sheet }
A61F 13/5376	.....	{ characterised by the performance of the layer, e.g. acquisition rate, distribution time, transfer time }
A61F 2013/53765	.....	{ characterized by its geometry }
A61F 2013/53769	.....	{ with the wicking layer not contacting the absorbent core }
A61F 2013/53773	.....	{ with a deformable spacing structure }
A61F 2013/53778	.....	{ with grooves }
A61F 2013/53782	.....	{ with holes }
A61F 2013/53786	.....	{ with folds }
A61F 2013/53791	.....	{ being resilient or elastic }
A61F 2013/53795	.....	{ being a surge management layer }
A61F 13/538	...	characterised by specific fibre orientation or weave
A61F 2013/5383	....	{ by the fibre orientation in the x-y plane }
A61F 2013/5386	....	{ by the fibre orientation in the z plane or vertical direction }
A61F 13/539	...	characterised by the connection of the absorbent layers with each other or with the outer layers
A61F 2013/53908	....	{ with adhesive }
A61F 2013/53916	.....	{ with epicyclical pattern }
A61F 2013/53925	.....	{ with intermittent pattern, e.g. spots }
A61F 2013/53933	.....	{ with water-soluble binder }
A61F 2013/53941	.....	{ being alcohol-based binder }
A61F 2013/5395	....	{ with thermoplastic agent, i.e. softened by heat }
A61F 2013/53958	.....	{ with separate adhesive layer }
A61F 2013/53966	....	{ by needling, sewing, blow-needling }
A61F 2013/53975	....	{ by Hydraulic entanglement }
A61F 2013/53983	....	{ with hook and loop-type fastener or the like }

A61F 2013/53991	....	{ by ultrasonic method }
A61F 13/551	..	Packaging before or after use {(general packaging of absorbent pads B65D 85/00)}
A61F 13/55105	...	{ packaging of diapers }
A61F 13/5511	....	{ characterized by the container (A61F 15/00 takes precedence)}
A61F 13/55115	....	{ characterized by the features before use e.g. how are the diapers folded or arranged in a package }
A61F 13/5512	....	{ after use }
A61F 2013/55125	.....	{ the disposal system being a bag or a pocket integral with or attached to the diaper }
A61F 13/5513	...	{ packaging of feminine sanitary napkins }
A61F 13/55135	....	{ before use }
A61F 13/5514	.....	{ each item packaged single }
A61F 13/55145	.....	{ multiple packaged items }
A61F 13/5515	....	{ after use }
A61F 2013/55155	.....	{ the disposal system being a bag or pocket integral with or attached to the sanitary napkin }
A61F 13/5516	...	{ packaging of interlabial absorbing articles }
A61F 13/55165	....	{ before use }
A61F 13/5517	....	{ after use }
A61F 13/55175	...	{ packaging of tampons }
A61F 13/5518	....	{ after use }
A61F 13/55185	....	{ in combination with the applicator }
A61F 13/5519	...	{ packages containing more than one kind of item e.g. tampon and napkin, or diaper and an exchangeable insert }
A61F 2013/55195	...	{ Packaging for dispensing and disposing }
A61F 13/56	..	Supporting or fastening means
A61F 13/5605	...	{ specially adapted for sanitary napkins or the like }
A61F 13/5611	....	{ using fastening strips, e.g. adhesive, on the undergarment-facing side }
A61F 13/5616	....	{ using flaps, e.g. adhesive, for attachment to the undergarment (leakage prevention means encircling the crotch portion A61F 13/476)}
A61F 13/5622	...	{ specially adapted for diapers or the like }
A61F 2013/5627	....	{ comprising a zip fastener }
A61F 13/5633	....	{ open type diaper }
A61F 13/5638	.....	{ adjustable open type diapers (adjustable otherwise than by the fasteners A61F 13/493)}
A61F 13/5644	.....	{ having more than one pair of fasteners }
A61F 13/565	....	{ pants type diaper }
A61F 13/5655	.....	{ adjustable pants type diapers (adjustable otherwise than by the fasteners A61F 13/493)}
A61F 2013/5661	...	{ in special holders for beds, chairs or seats }
A61F 2013/5666	...	{ connected to itself (A61F 13/58 and A61F 13/62 take precedence)}

A61F 2013/5672	....	{ with buttons or the like (A61F 13/78 takes precedence)}
A61F 2013/5677	....	{ refastenable }
A61F 2013/5683	...	{ Disposition or arrangement }
A61F 2013/5688	....	{ inclined at an oblique angle to the longitudinal axis }
A61F 2013/5694	...	{ Other non adhesive means than hook and loop-type fastener or belts (A61F 13/62 , A61F 13/64 and A61F 13/66 take precedence)}
A61F 13/58	...	Adhesive tab fastener elements ({ A61F 13/5611 , A61F 13/5616 }, A61F 13/66 take precedence)
A61F 13/581	....	{ Tab fastener elements combining adhesive and mechanical fastening (fabric strip fastener elements A61F 13/62)}
A61F 2013/582	....	{ with one strip on one place }
A61F 2013/583	....	{ with strips on several places }
A61F 2013/585	.....	{ being spot like }
A61F 2013/586	....	{ on lateral flaps }
A61F 2013/587	.....	{ on rear or front tabs }
A61F 2013/588	....	{ on waist panels }
A61F 13/60	....	with release means associated with tab fasteners

WARNING

See warning after [A61F 13/00](#)

A61F 13/62	...	{ Mechanical fastening means, (A61F 13/5611 , A61F 13/5616 , A61F 13/581 , A61F 13/66 take precedence); } Fabric strip fastener elements, e.g. hook and loop
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WARNING

See warning after [A61F 13/00](#)

A61F 13/622	{ Fabric strip fastener elements, e.g. hook and loop }
A61F 13/625	.....	{ characterised by the hook }
A61F 13/627	.....	{ characterised by the loop }
A61F 13/64	...	Straps, belts, ties or endless bands ({ A61F 13/5605 , A61F 13/5622 }, A61F 13/66 take precedence)
A61F 13/66	...	Garments, holders or supports not integral with absorbent pads

WARNING

For group [A61F 13/66](#) and subgroups see warning after [A61F 13/00](#)

A61F 13/665	....	{ Means specific for supporting or fastening sanitary towels; and sanitary towels }
A61F 13/68	....	abdominal enclosing type
A61F 13/70	.....	with openable or removable crotch portion
A61F 13/72	.....	with endless waist encircling band, e.g. panty type

A61F 13/74	....	having means to retain absorbent pads
A61F 13/76	.....	transverse to width of the pads or fastener elements, e.g. straps, end flaps or tucks
A61F 13/78	.....	Button or snap fastener elements
A61F 13/80	....	adjustable relative to body crotch area
A61F 13/82	....	with means for attaching to the body
A61F 13/84	..	Accessories, not otherwise provided for, for absorbent pads
A61F 2013/8402	...	{ including disposal means (A61F 13/5512 , A61F 13/5515 , A61F 13/5517 , A61F 13/5518 take precedence) }
A61F 13/8405	...	{ Additives, e.g. for odour, disinfectant or pH control }
A61F 2013/8408	....	{ with odour control }
A61F 2013/8411	.....	{ in controlling solution Ph }
A61F 2013/8414	.....	{ with anti-microbic }
A61F 2013/8417	.....	{ being anti-mycosis }
A61F 2013/842	.....	{ with active charcoal }
A61F 2013/8423	.....	{ with molecular sieves; zeolites }
A61F 2013/8426	.....	{ with metallic salts }
A61F 2013/8429	.....	{ with ion exchange resins }
A61F 2013/8432	.....	{ with glycerine polyol }
A61F 2013/8435	.....	{ with plant derivatives }
A61F 2013/8438	....	{ being enzymes, e.g. proteolysis, cellulase }
A61F 2013/8441	....	{ being cultures }
A61F 2013/8444	.....	{ being microbial, e.g. bulgaricus }
A61F 2013/8447	....	{ in using different incompatible substances }
A61F 2013/845	.....	{ being powder embodied in a polymeric matrix }
A61F 2013/8452	.....	{ being contained in microcapsules }
A61F 2013/8455	....	{ being lubricants }
A61F 2013/8458	.....	{ having bees-wax }
A61F 2013/8461	.....	{ having petroleum derivative }
A61F 2013/8464	.....	{ having plant derivative }
A61F 2013/8467	....	{ being antistatic agents }
A61F 2013/847	....	{ being infrared absorbing agent }
A61F 2013/8473	...	{ for diagnostic purposes }
A61F 2013/8476	...	{ with various devices or method }
A61F 2013/8479	....	{ including electric or magnetic devices }
A61F 2013/8482	.....	{ including numeric control, e.g. using computer }
A61F 2013/8485	....	{ including optical filtering devices }
A61F 2013/8488	...	{ including testing apparatus }
A61F 2013/8491	....	{ including test methods }
A61F 2013/8494	...	{ including pumping devices }

A61F 2013/8497 . . . { having decorations or indicia means }

A61F 15/00 **Auxiliary appliances for wound dressings; Dispensing containers for dressings or bandages** {(packaging of absorbent articles such as diapers, feminine hygiene absorbing pads or tampons [A61F 13/551](#); packaging of wound dressings [A61F 13/00072](#))}

A61F 15/001 . { Packages or dispensers for bandages, cotton balls, drapes, dressings, gauze, gowns, sheets, sponges, swabsticks or towels ([A61F 15/007](#) takes precedence)}

A61F 15/002 . . { dispensers for web or tape like bandages }

A61F 15/003 . . { dispensers for catamenial tampons }

A61F 15/004 . { Bandage protectors }

A61F 15/005 . { Bandage applicators }

A61F 15/006 . { Bandage fasteners }

A61F 15/007 . { Bandage winders }

A61F 15/008 . { Appliances for wound protecting, e.g. avoiding contact between wound and bandage (corn plasters [A61F 13/063](#))}

A61F 15/02 . Devices for cutting bandages of any kind, e.g. shears, cast-cutting saws

A61F 17/00 **First-aid kits**

A61F 2210/00 **Particular material properties of prostheses classified in groups [A61F 2/00](#) to [A61F 2/26](#) or [A61F 2/82](#) or A61F9 or A61F11 or subgroups thereof**

A61F 2210/0004 . bioabsorbable

A61F 2210/0009 . using materials or accessories for preventing galvanic or electrolytic corrosion

A61F 2210/0014 . using shape memory or superelastic materials, e.g. nitinol

A61F 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

A61F 2210/0023 . . operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply

A61F 2210/0028 . . . cooled

A61F 2210/0033 . . . electrically, e.g. heated by resistor

A61F 2210/0038 electromagnetically

A61F 2210/0042 . . . using a fluid, e.g. circulating

A61F 2210/0047 . . . heated by light

A61F 2210/0052 . . . ultrasonically

- A61F 2210/0057 . stretchable
- A61F 2210/0061 . swellable
- A61F 2210/0066 . shrinkable
- A61F 2210/0071 . thermoplastic
- A61F 2210/0076 . multilayered, e.g. laminated structures
- A61F 2210/008 . Phase change materials (PCM), e.g. for storing latent heat
- A61F 2210/0085 . hardenable in situ, e.g. epoxy resins
- A61F 2210/009 . magnetic
- A61F 2210/0095 . radioactive

Guidance heading: Filters; Devices providing patency to tubular structures; Prostheses; Accessories

A61F 2220/00 **Fixations or connections for prostheses classified in groups [A61F 2/00](#) to [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- A61F 2220/0008 . Fixation appliances for connecting prostheses to the body
- A61F 2220/0016 . . with sharp anchoring protrusions, e.g. barbs, pins, spikes
- A61F 2220/0025 . Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements
- A61F 2220/0033 . . made by longitudinally pushing a protrusion into a complementary-shaped recess, e.g. held by friction fit
- A61F 2220/0041 . . using additional screws, bolts, dowels or rivets, e.g. connecting screws
- A61F 2220/005 . . using adhesives
- A61F 2220/0058 . . soldered or brazed or welded
- A61F 2220/0066 . . stapled
- A61F 2220/0075 . . sutured, ligatured or stitched, retained or tied with a rope, string, thread, wire or cable
- A61F 2220/0083 . . using hook and loop-type fasteners
- A61F 2220/0091 . . connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type

A61F 2230/00 **Geometry of prostheses classified in groups [A61F 2/00](#) to [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- A61F 2230/0002 . Two-dimensional shapes, e.g. cross-sections
- A61F 2230/0004 . . Rounded shapes, e.g. with rounded corners

A61F 2230/0006	...	circular
A61F 2230/0008	...	elliptical or oval
A61F 2230/001	...	Figure-8-shaped, e.g. hourglass-shaped
A61F 2230/0013	...	Horseshoe-shaped, e.g. crescent-shaped, C-shaped, U-shaped
A61F 2230/0015	...	Kidney-shaped, e.g. bean-shaped
A61F 2230/0017	..	Angular shapes
A61F 2230/0019	...	rectangular
A61F 2230/0021	...	square
A61F 2230/0023	...	triangular
A61F 2230/0026	...	trapezoidal
A61F 2230/0028	..	Shapes in the form of latin or greek characters
A61F 2230/003	...	Alpha-shaped
A61F 2230/0032	...	B-shaped
A61F 2230/0034	...	D-shaped
A61F 2230/0036	...	E-shaped, e.g. epsilon-shaped
A61F 2230/0039	...	H-shaped
A61F 2230/0041	...	J-shaped
A61F 2230/0043	...	L-shaped
A61F 2230/0045	...	Omega-shaped
A61F 2230/0047	...	Pi-shaped
A61F 2230/005	...	Rosette-shaped, e.g. star-shaped
A61F 2230/0052	...	T-shaped
A61F 2230/0054	...	V-shaped
A61F 2230/0056	...	W-shaped, e.g. M-shaped, sigma-shaped
A61F 2230/0058	...	X-shaped
A61F 2230/006	...	Y-shaped
A61F 2230/0063	.	Three-dimensional shapes
A61F 2230/0065	..	toroidal, e.g. ring-shaped, doughnut-shaped
A61F 2230/0067	..	conical
A61F 2230/0069	..	cylindrical
A61F 2230/0071	..	spherical
A61F 2230/0073	..	Quadric-shaped
A61F 2230/0076	...	ellipsoidal or ovoid
A61F 2230/0078	...	hyperboloidal
A61F 2230/008	...	paraboloidal
A61F 2230/0082	..	parallelepipedal
A61F 2230/0084	...	cubical
A61F 2230/0086	..	Pyramidal, tetrahedral, or wedge-shaped
A61F 2230/0089	...	tetrahedral, i.e. having a triangular basis

- A61F 2230/0091 . . . helically-coiled or spirally-coiled, i.e. having a 2-D spiral cross-section
- A61F 2230/0093 . . . Umbrella-shaped, e.g. mushroom-shaped
- A61F 2230/0095 . . . Saddle-shaped
- A61F 2230/0097 . . . Harpoon-shaped

A61F 2240/00 **Manufacturing or designing of prostheses classified in groups [A61F 2/00](#) to [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- A61F 2240/001 . . . Designing or manufacturing processes
- A61F 2240/002 Designing or making customized prostheses
- A61F 2240/004 Using a positive or negative model, e.g. moulds
- A61F 2240/005 . . . Templates
- A61F 2240/007 . . . Dummy prostheses
- A61F 2240/008 . . . Means for testing implantable prostheses

A61F 2250/00 **Special features of prostheses classified in groups [A61F 2/00](#) to [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- A61F 2250/0001 . . . Means for transferring electromagnetic energy to implants
- A61F 2250/0002 for data transfer
- A61F 2250/0003 . . . having an inflatable pocket filled with fluid, e.g. liquid or gas
- A61F 2250/0004 . . . adjustable
- A61F 2250/0006 for adjusting angular orientation
- A61F 2250/0007 for adjusting length
- A61F 2250/0008 for adjusting a position by translation along an axis or two perpendicular axes
- A61F 2250/0009 for adjusting thickness
- A61F 2250/001 for adjusting a diameter
- A61F 2250/0012 for adjusting elasticity, flexibility, spring rate or mechanical tension
- A61F 2250/0013 for adjusting fluid pressure
- A61F 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
- A61F 2250/0015 differing in density or specific weight
- A61F 2250/0017 differing in yarn density
- A61F 2250/0018 differing in elasticity, stiffness or compressibility
- A61F 2250/0019 differing in hardness, e.g. Vickers, Shore, Brinell
- A61F 2250/002 differing in moment of inertia
- A61F 2250/0021 differing in coefficient of friction
- A61F 2250/0023 differing in porosity
- A61F 2250/0024 made from both porous and non-porous parts, e.g. adjacent parts

A61F 2250/0025	..	differing in roughness
A61F 2250/0026	..	differing in surface structures
A61F 2250/0028	..	differing in fibre orientations
A61F 2250/0029	..	differing in bending or flexure capacity
A61F 2250/003	..	differing in adsorbability or resorbability, i.e. in adsorption or resorption time
A61F 2250/0031	...	made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts
A61F 2250/0032	..	differing in radiographic density
A61F 2250/0034	..	differing in viscosity
A61F 2250/0035	..	differing in release or diffusion time
A61F 2250/0036	..	differing in thickness
A61F 2250/0037	..	differing in height or in length
A61F 2250/0039	..	differing in diameter
A61F 2250/004	..	differing in coefficient of thermal expansion, e.g. dilation, dilatation
A61F 2250/0041	..	differing in wear resistance
A61F 2250/0042	..	differing in shape-memory transition temperatures, e.g. in martensitic transition temperature, in austenitic transition temperature
A61F 2250/0043	..	differing in electric properties, e.g. in electrical conductivity, in galvanic properties
A61F 2250/0045	...	differing in electromagnetical properties
A61F 2250/0046	..	differing in melting temperature
A61F 2250/0047	..	differing in thermal conductivity
A61F 2250/0048	..	differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability
A61F 2250/005	..	differing in colour
A61F 2250/0051	..	differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts
A61F 2250/0052	...	differing in bone ingrowth capacity
A61F 2250/0053	..	differing in optical properties
A61F 2250/0054	..	differing in corrosion resistance
A61F 2250/0056	..	differing in wettability, e.g. in hydrophilic or hydrophobic behaviours
A61F 2250/0057	..	made from both cured and uncured parts
A61F 2250/0058	.	Additional features; Implant or prostheses properties not otherwise provided for
A61F 2250/0059	..	temporary
A61F 2250/006	..	modular
A61F 2250/0062	...	Kits of prosthetic parts to be assembled in various combinations for forming different prostheses
A61F 2250/0063	...	Nested prosthetic parts
A61F 2250/0064	...	Sets comprising a plurality of prosthetic parts of different sizes
A61F 2250/0065	..	telescopic
A61F 2250/0067	..	Means for introducing or releasing pharmaceutical products into the body
A61F 2250/0068	...	the pharmaceutical product being in a reservoir

- A61F 2250/0069 .. Sealing means
- A61F 2250/007 ... O-rings
- A61F 2250/0071 .. breakable or frangible
- A61F 2250/0073 .. Force-limiting means
- A61F 2250/0074 ... Torque-limiting means
- A61F 2250/0075 .. Sound-damping or noise-reducing means
- A61F 2250/0076 .. waterproof
- A61F 2250/0078 .. Gender-specific, e.g. different for male and female patients
- A61F 2250/0079 .. Means for preventing the accidental forgetting of prosthetic parts inside the body during operation
- A61F 2250/008 .. Alarm means
- A61F 2250/0081 .. Prosthesis for animals
- A61F 2250/0082 .. specially designed for children, e.g. having means for adjusting to their growth
- A61F 2250/0084 .. Means for distinguishing between left-sided and right-sided devices; Sets comprising both left-sided and right-sided prosthetic parts
- A61F 2250/0085 .. Identification means; Administration of patients
- A61F 2250/0086 ... with bar code
- A61F 2250/0087 ... colour-coded
- A61F 2250/0089 ... coded with symbols, e.g. dots, numbers, letters, words
- A61F 2250/009 .. for single use, e.g. having means for preventing re-use
- A61F 2250/0091 .. transparent or translucent
- A61F 2250/0092 .. Means for cleaning prostheses
- A61F 2250/0093 .. Ultrasound system, e.g. for inducing coagulation during eye surgery
- A61F 2250/0095 ... with high intensity focused ultrasound
- A61F 2250/0096 .. Markers and sensors for detecting a position or changes of a position of an implant, e.g. RF sensors, ultrasound markers
- A61F 2250/0097 ... Visible markings, e.g. indicia
- A61F 2250/0098 ... radio-opaque, e.g. radio-opaque markers

A61F 2310/00 **Prostheses classified in [A61F 2/28](#) or A61F30 to [A61F 2/44](#) being constructed from or coated with a particular material**

- A61F 2310/00005 . The prosthesis being constructed from a particular material
- A61F 2310/00011 .. Metals or alloys
- A61F 2310/00017 ... Iron- or Fe-based alloys, e.g. stainless steel
- A61F 2310/00023 ... Titanium or titanium-based alloys, e.g. Ti-Ni alloys
- A61F 2310/00029 ... Cobalt-based alloys, e.g. Co-Cr alloys or Vitallium
- A61F 2310/00035 ... Other metals or alloys
- A61F 2310/00041 Magnesium or Mg-based alloys
- A61F 2310/00047 Aluminium or Al-based alloys
- A61F 2310/00053 Vanadium or V-based alloys

A61F 2310/00059	....	Chromium or Cr-based alloys
A61F 2310/00065	....	Manganese or Mn-based alloys
A61F 2310/00071	....	Nickel or Ni-based alloys
A61F 2310/00077	....	Copper or Cu-based alloys
A61F 2310/00083	....	Zinc or Zn-based alloys
A61F 2310/00089	....	Zirconium or Zr-based alloys
A61F 2310/00095	....	Niobium or Nb-based alloys
A61F 2310/00101	....	Molybdenum or Mo-based alloys
A61F 2310/00107	....	Palladium or Pd-based alloys
A61F 2310/00113	....	Silver or Ag-based alloys
A61F 2310/00119	....	Tin or Sn-based alloys
A61F 2310/00125	....	Hafnium or Hf-based alloys
A61F 2310/00131	....	Tantalum or Ta-based alloys
A61F 2310/00137	....	Tungsten or W-based alloys
A61F 2310/00143	....	Iridium or Ir-based alloys
A61F 2310/00149	....	Platinum or Pt-based alloys
A61F 2310/00155	....	Gold or Au-based alloys
A61F 2310/00161	..	Carbon; Graphite
A61F 2310/00167	...	Diamond or diamond-like carbon
A61F 2310/00173	...	Graphite
A61F 2310/00179	..	Ceramics or ceramic-like structures
A61F 2310/00185	...	based on metal oxides
A61F 2310/00191	....	containing beryllium oxide
A61F 2310/00197	....	containing magnesia or magnesium oxide
A61F 2310/00203	....	containing alumina or aluminium oxide
A61F 2310/00209	.....	Corundum or Sapphire
A61F 2310/00215	....	containing silica or silicon oxide
A61F 2310/00221	....	containing calcia or calcium oxide
A61F 2310/00227	....	containing titania or titanium oxide
A61F 2310/00233	....	containing chromia or chromium oxides CrO, CrO ₂ or CrO ₃
A61F 2310/00239	....	containing zirconia or zirconium oxide ZrO ₂
A61F 2310/00245	....	containing niobium oxide
A61F 2310/00251	....	containing hafnia or hafnium oxide
A61F 2310/00257	....	containing tantalum oxide
A61F 2310/00263	...	based on metal borides
A61F 2310/00269	...	based on metal carbides
A61F 2310/00275	....	containing boron carbide
A61F 2310/00281	....	containing silicon carbide
A61F 2310/00287	....	containing titanium carbide
A61F 2310/00293	...	containing a phosphorus-containing compound, e.g. apatite

A61F 2310/00299	...	based on metal nitrides
A61F 2310/00305	....	containing boron nitride
A61F 2310/00311	....	containing aluminium nitride
A61F 2310/00317	....	containing silicon nitride
A61F 2310/00323	....	containing titanium nitride
A61F 2310/00329	..	Glasses, e.g. bioglass
A61F 2310/00335	...	Porcelain
A61F 2310/00341	..	Coral, e.g. aragonite, porite
A61F 2310/00347	..	Nacre or mother-of-pearl
A61F 2310/00353	..	Bone cement, e.g. polymethylmethacrylate or PMMA
A61F 2310/00359	..	Bone or bony tissue
A61F 2310/00365	..	Proteins; Polypeptides; Degradation products thereof
A61F 2310/00371	...	Collagen
A61F 2310/00377	...	Fibrin
A61F 2310/00383	...	Gelatin
A61F 2310/00389	.	The prosthesis being coated or covered with a particular material
A61F 2310/00395	..	Coating or prosthesis-covering structure made of metals or of alloys
A61F 2310/00401	...	Coating made of iron, of stainless steel or of other Fe-based alloys
A61F 2310/00407	...	Coating made of titanium or of Ti-based alloys
A61F 2310/00413	...	Coating made of cobalt or of Co-based alloys
A61F 2310/00419	...	Other metals
A61F 2310/00425	....	Coating made of magnesium or of Mg-based alloys
A61F 2310/00431	....	Coating made of aluminium or of Al-based alloys
A61F 2310/00437	....	Coating made of silicon or Si-based alloys
A61F 2310/00443	....	Coating made of vanadium or of V-based alloys
A61F 2310/00449	....	Coating made of chromium or Cr-based alloys
A61F 2310/00455	....	Coating made of manganese Mn-based alloys
A61F 2310/00461	....	Coating made of nickel or Ni-based alloys
A61F 2310/00467	....	Coating made of copper or Cu-based alloys
A61F 2310/00473	....	Coating made of zinc or Zn-based alloys
A61F 2310/00479	....	Coating made of germanium or Ge-based alloys
A61F 2310/00485	....	Coating made of zirconium or Zr-based alloys
A61F 2310/00491	....	Coating made of niobium or Nb-based alloys
A61F 2310/00497	....	Coating made of molybdenum or Mo-based alloys
A61F 2310/00502	....	Coating made of ruthenium or Ru-based alloys
A61F 2310/00508	....	Coating made of rhodium or Rh-based alloys
A61F 2310/00514	....	Coating made of palladium or Pd-based alloys
A61F 2310/0052	....	Coating made of silver or Ag-based alloys
A61F 2310/00526	....	Coating made of indium or In-based alloys

A61F 2310/00532	....	Coating made of tin or Sn-based alloys
A61F 2310/00538	....	Coating made of hafnium or Hf-based alloys
A61F 2310/00544	....	Coating made of tantalum or Ta-based alloys
A61F 2310/0055	....	Coating made of tungsten or W-based alloys
A61F 2310/00556	....	Coating made of iridium or Ir-based alloys
A61F 2310/00562	....	Coating made of platinum or Pt-based alloys
A61F 2310/00568	....	Coating made of gold or Au-based alloys
A61F 2310/00574	..	Coating or prosthesis-covering structure made of carbon, e.g. of pyrocarbon
A61F 2310/0058	...	Coating made of diamond or of diamond-like carbon DLC
A61F 2310/00586	...	Coating made of graphite
A61F 2310/00592	..	Coating or prosthesis-covering structure made of ceramics or of ceramic-like compounds
A61F 2310/00598	...	Coating or prosthesis-covering structure made of compounds based on metal oxides or hydroxides
A61F 2310/00604	....	Coating made of aluminium oxide or hydroxides
A61F 2310/0061	....	Coating made of silicon oxide or hydroxides
A61F 2310/00616	....	Coating made of titanium oxide or hydroxides
A61F 2310/00622	....	Coating made of chromium oxide or hydroxides
A61F 2310/00628	....	Coating made of cobalt oxide or hydroxides
A61F 2310/00634	....	Coating made of zirconium oxide or hydroxides
A61F 2310/0064	....	Coating made of niobium oxide or hydroxides
A61F 2310/00646	....	Coating made of molybdenum oxide or hydroxides
A61F 2310/00652	....	Coating made of hafnium oxide or hydroxides
A61F 2310/00658	....	Coating made of tantalum oxide or hydroxides
A61F 2310/00664	....	Coating made of tungsten oxide or hydroxides
A61F 2310/0067	...	Coating or prosthesis-covering structure made of compounds based on metal borides
A61F 2310/00676	....	Coating made of aluminium boride
A61F 2310/00682	....	Coating made of titanium boride
A61F 2310/00688	....	Coating made of vanadium boride
A61F 2310/00694	....	Coating made of chromium boride
A61F 2310/007	....	Coating made of cobalt boride
A61F 2310/00706	....	Coating made of zirconium boride
A61F 2310/00712	....	Coating made of molybdenum boride
A61F 2310/00718	....	Coating made of lanthanum boride
A61F 2310/00724	....	Coating made of tungsten boride
A61F 2310/0073	...	Coating or prosthesis-covering structure made of compounds based on metal carbides
A61F 2310/00736	....	Coating made of boron carbide
A61F 2310/00742	....	Coating made of silicon carbide
A61F 2310/00748	....	Coating made of titanium carbide

A61F 2310/00754	....	Coating made of chromium carbide
A61F 2310/0076	....	Coating made of nickel carbide
A61F 2310/00766	....	Coating made of zirconium carbide
A61F 2310/00772	....	Coating made of niobium carbide
A61F 2310/00778	....	Coating made of hafnium carbide
A61F 2310/00784	....	Coating made of tantalum carbide
A61F 2310/0079	....	Coating made of tungsten carbide
A61F 2310/00796	...	Coating or prosthesis-covering structure made of a phosphorus-containing compound, e.g. hydroxy(l)apatite
A61F 2310/00802	...	Coating or prosthesis-covering structure made of compounds based on metal hydrides
A61F 2310/00808	....	Coating made of titanium hydride
A61F 2310/00814	....	Coating made of vanadium hydride
A61F 2310/0082	....	Coating made of chromium hydride
A61F 2310/00826	....	Coating made of zirconium hydride
A61F 2310/00832	....	Coating made of niobium hydride
A61F 2310/00838	....	Coating made of hafnium hydride
A61F 2310/00844	....	Coating made of tantalum hydride
A61F 2310/0085	...	Coating or prosthesis-covering structure made of compounds based on metal chlorides
A61F 2310/00856	...	Coating or prosthesis-covering structure made of compounds based on metal nitrides
A61F 2310/00862	....	Coating made of boron nitride
A61F 2310/00868	....	Coating made of aluminium nitride
A61F 2310/00874	....	Coating made of silicon nitride
A61F 2310/0088	....	Coating made of titanium nitride
A61F 2310/00886	....	Coating made of chromium nitride
A61F 2310/00892	....	Coating made of zirconium nitride
A61F 2310/00898	....	Coating made of niobium nitride
A61F 2310/00904	....	Coating made of hafnium nitride
A61F 2310/0091	....	Coating made of tantalum nitride
A61F 2310/00916	...	Coating or prosthesis-covering structure made of compounds based on metal sulfides
A61F 2310/00922	....	Coating made of molybdenum sulfide
A61F 2310/00928	..	Coating or prosthesis-covering structure made of glass or of glass-containing compounds, e.g. of bioglass
A61F 2310/00934	...	Coating made of enamel
A61F 2310/0094	...	Coating made of porcelain
A61F 2310/00946	..	Coating or prosthesis-covering structure made of nacre or mother-of-pearl
A61F 2310/00952	..	Coating, pre-coating or prosthesis-covering structure made of bone cement, e.g. pre-applied PMMA cement mantle
A61F 2310/00958	..	Coating or prosthesis-covering structure made of bone or of bony tissue

A61F 2310/00964	..	Coating or prosthesis-covering structure made of cartilage
A61F 2310/0097	..	Coating or prosthesis-covering structure made of pharmaceutical products, e.g. antibiotics
A61F 2310/00976	..	Coating or prosthesis-covering structure made of proteins or of polypeptides, e.g. of bone morphogenic proteins BMP or of transforming growth factors TGF
A61F 2310/00982	...	Coating made of collagen
A61F 2310/00988	...	Coating made of fibrin
A61F 2310/00994	...	Coating made of gelatin