

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 13/206](#) [A61F 13/24](#) covered by
[A61F 13/2037](#) [A61F 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 2/0077	. {Special surfaces of prostheses, e.g. for improving ingrowth (A61F 2/30767 takes precedence) }
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 2/013	.. {Distal protection devices, i.e. devices placed distally in combination with another endovascular procedure, e.g. angioplasty or stenting }
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 2/042	... {Urinary bladders }
A61F 2/06	... Blood vessels
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 2/07	.... Stent-grafts
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 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 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 2/1648	.....	{ Multipart lenses }
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 2/1691	....	{Packages or dispensers for intraocular lenses (for contact lenses A45C 11/005) }
A61F 2/1694	....	{Capsular bag spreaders therefor }
A61F 2/18	..	Internal ear or nose parts, e.g. ear-drums { (implants for middle ear ventilation or drainage A61F 11/002) }
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 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 2/2487	....	{ Devices within the heart chamber, e.g. splints }
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 2/2814	...	{Bone stump caps }
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 2/2857	...	{for cadavers (devices for autopsy A61B 16/00) }
A61F 2/2875	...	{Skull or cranium (A61F 2/2803 and A61F 2/3099 take precedence) }
A61F 2/30	..	Joints
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 2/30728	....	{Collars; Bone edge protectors (A61F 2/30734 takes precedence; sealing collars for use during cementing A61B 17/8808) }
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 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 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 2/30749	....	{ Fixation appliances for connecting prostheses to the body }
A61F 2/30756	...	{Cartilage endoprostheses (A61F 2/3603 takes precedence) }
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 2/30771	....	{applied in original prostheses, e.g. holes, grooves (etching the surface A61F 2/30767) }
A61F 2/30907	....	{Nets or sleeves applied to surface of prostheses or in cement }
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 2/30965	....	{Reinforcing the prosthesis by embedding particles or fibres during moulding }

		or dipping }
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 (endoprostheses for mandibular reconstruction A61F 2/2803) }
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 2/34	....	Acetabular cups
A61F 2/36	....	Femoral heads; {Femoral endoprostheses }
A61F 2/3601	.....	{for replacing only the epiphyseal or metaphyseal parts of the femur, e.g. endoprosthetic femoral heads or necks directly fixed to the natural femur by internal fixation devices (non-prosthetic internal fixation devices for the femoral head or neck A61B 17/74) }
A61F 2/3603	.....	{implanted without ablation of the whole natural femoral head (endoprosthetic cartilage A61F 2/30756) }
A61F 2/3607	.....	{including proximal or total replacement of the femur }
A61F 2/3609	.....	{Femoral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic femoral shafts (A61F 2/3601 takes precedence) }
A61F 2/3662	.....	{Femoral shafts }
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 2/3676	.....	{Distal or diaphyseal parts of shafts }
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 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 2/3868	....	{with sliding tibial bearing }
A61F 2/3872	....	{Meniscus for implantation between the natural bone surfaces }
A61F 2/3877	....	{Patellae or trochleae }
A61F 2/3886	....	{for stabilising knees against anterior or lateral dislocations }
A61F 2/389	....	{Tibial components (A61F 2/3868 takes precedence) }
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 2/4014	....	{Humeral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic humeral shafts }
A61F 2/4059	....	{Humeral shafts }
A61F 2/4081	....	{Glenoid components, e.g. cups }
A61F 2/42	...	for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes
A61F 2/4202	....	{for ankles }
A61F 2/4225	....	{for feet, e.g. toes }
A61F 2/4241	....	{for hands, e.g. fingers }
A61F 2/4261	....	{for wrists }
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 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 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 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 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 2/4618	.....	{of cartilage }
A61F 2/4637	....	{for connecting or disconnecting two parts of a prosthesis }
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 2/4657	....	{Measuring instruments used for implanting artificial joints (for surgical instruments A61B 19/46) }
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 2/468	....	{Testing instruments for artificial joints (for testing non-implantable prostheses A61F 2/76) }
A61F 2/4684	....	{Trial or dummy prostheses }
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 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 2/52	..	Mammary prostheses (brassieres A41C 3/00)
A61F 2/54	..	Artificial arms or hands or parts thereof
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 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 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 2/66	...	Feet; Ankle joints
A61F 2/6607	....	{Ankle joints }
A61F 2/68	..	Operating or control means
A61F 2/70	...	electrical {not used, see A61F 2/68 and A61F 2/72 }
A61F 2/72	....	Bioelectrical control, e.g. myoelectric

- A61F 2/76 . . Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing, {e.g. alignment means }
- 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 2/7812 . . . {Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump }
- A61F 2/7843 {Inflatable bladders }
- A61F 2/80 . . . Sockets, e.g. of suction type

- 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 2/844 . . folded prior to deployment
- A61F 2/848 . . having means for fixation to the vessel wall, e.g. barbs
- 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 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 2/954 . . for placing stents or stent-grafts in a bifurcation
- A61F 2/958 . . Inflatable balloons for placing stents or stent-grafts
- 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 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](#) })

Guidance heading:

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 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. gastropasty } (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; Orthoses, 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 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 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 5/08K](#)) }
- 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 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 13/15D](#)) }
- 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 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 thereforA61L 24/00](#)) }
- A61F 5/445 . . Colostomy, {ileostomy or urethrostomy } devices ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence)
- A61F 5/448 . . . Means for attaching bag to seal ring
- A61F 5/449 . . . Body securing means, e.g. belts, garments
- 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 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 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 7/0053 . . {Cabins, rooms, chairs or units for treatment with a hot or cold circulating fluid }
- A61F 7/007 . . { characterised by electric heating }
- A61F 7/0085 . . { Devices for generating hot or cold treatment fluids }
- A61F 7/0097 . . { Blankets with active heating or cooling sources (warming mats [A61F 7/08](#)) }
- A61F 7/02 . . Compresses or poultices for effecting heating or cooling
- A61F 7/0241 . . { Apparatus for the preparation of hot packs, hot compresses, cooling pads, e.g. heaters or refrigerators }
- 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 7/08 . . Warming pads, pans or mats ([A61F 7/02](#) takes precedence) ; Hot-water bottles

WARNING

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

- A61F 7/086 . . { Closures; Filling openings }
- A61F 7/10 . Cooling bags, e.g. ice-bags
- A61F 7/103 . . {refillable }
- A61F 7/106 . . {self-cooling, e.g. using a chemical reaction }
- A61F 7/12 . Devices for heating or cooling internal body cavities
- A61F 7/123 . . {using a flexible balloon containing the thermal element }

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 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 9/009 ... Auxiliary devices making contact with the eye-ball and coupling in laser light, {e.g. goniolenses (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 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 [9/06F2](#)) }
- 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. curettes (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 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](#))]

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 35/00C](#); 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](#) })

WARNING

Documents are in the process of being transferred from groups [A61F 13/00](#) and [A61F 13/16](#) to [A61F 13/2051](#) to groups [A61F 13/15](#) and [A61F 13/28](#) to [A61F 13/82](#)

- [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, debriding, 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 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 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 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 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 13/15252	... {compostable or biodegradable }

A61F 13/15268	...	{reusable (with separable parts A61F 13/505) }
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 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 13/15804	...	{Plant, e.g. involving several steps }
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 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 (13/20B12 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 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 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 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 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 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 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 13/59B4 , A61F 13/59D4) }
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 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 13/495	....	with faecal cavity
A61F 13/496	....	in the form of pants or briefs
A61F 13/4963	.....	{ characterized by the seam }

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 13/51	..	characterised by the outer layers { (wicking or transfer layers A61F 13/537) }
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 13/51121	....	{ characterised by the material }
A61F 13/5116	....	{ being formed of multiple layers (A61F 13/5123 takes precedence) }
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 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 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 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 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 13/51484	.....	{ being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures }
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 13/531	...	having a homogeneous composition through the thickness of the pad (A61F 13/538 , A61F 13/539 take precedence)
A61F 13/532	....	inhomogeneous in the plane of the pad
A61F 13/5323	.....	{ having absorbent material located in discrete regions, e.g. pockets }
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 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 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 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 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 13/538	...	characterised by specific fibre orientation or weave
A61F 13/539	...	characterised by the connection of the absorbent layers with each other or with the outer layers
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 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 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 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 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 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 13/60	....	with release means associated with tab fasteners

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

A61F 13/622	{ Fabric strip fastener elements, e.g. hook and loop }
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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 13/8405	...	{ Additives, e.g. for odour, disinfectant or pH control }

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**

Guidance heading:

A61F 2002/00 **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 2002/0063](#) . { [Implantable repair or support meshes, e.g. hernia meshes](#) }
- [A61F 2002/0068](#) .. having a special mesh pattern
- [A61F 2002/0072](#) .. Delivery tools therefor

- [A61F 2002/0077](#) . {[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](#), [K61F 2/50W52](#) take 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 2002/01](#) . Filters implantable into blood vessels { ([filters used as gripping instruments](#) [A61B 17/22031](#)) }
- [A61F 2002/011](#) .. Instruments for their placement or removal
- [A61F 2002/013](#) .. {[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 2002/02](#) . Prostheses implantable into the body { ([closure means for urethra or rectum or for artificial body openings therefor](#) [A61F 2/0004](#)) }
- [A61F 2002/04](#) .. 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 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 2002/06	...	Blood vessels
A61F 2002/061	....	provided with means for allowing access to secondary lumens
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 2002/07	....	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 2002/08	..	Muscles; Tendons; Ligaments { (sutures A61B 17/04) }
A61F 2002/0811	...	{ 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 2002/14	..	Eye parts, e.g. lenses, corneal implants; { Implanting instruments specially adapted therefor }; Artificial eyes
A61F 2002/16	...	Intraocular lenses
A61F 2002/1602	....	{ 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 2002/1613	....	{ 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 2002/1637	.....	{ 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 2002/1648	.....	{ Multipart lenses }
A61F 2002/1651	.....	Multipart lenses comprising a telescope
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 2002/1697	....	Additional features not otherwise provided for
A61F 2002/18	..	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 2002/20	..	{Epiglottis }; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se A61F 2/04 ; {tracheostomy tubes A61M 16/0465 })
A61F 2002/206	...	Speech aids with external actuators, e.g. electrical larynxes
A61F 2002/24	..	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 2002/2478	...	{ 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 2002/2481	.....	{ Devices outside the heart wall, e.g. bags, strips or bands }
A61F 2002/2484	.....	Delivery devices therefor
A61F 2002/249	.....	Device completely embedded in the heart wall
A61F 2002/28	..	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 2002/2803	...	{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 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 2002/2846	...	{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 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 2002/2875	...	{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 2002/30	..	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-toroids
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 2002/30721	...	{Accessories }
A61F 2002/30724	....	{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 2002/30728	....	{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 2002/30734	....	{Modular inserts, sleeves or augments, e.g. placed on proximal part of stem for fixation purposes or wedges for bridging a bone defect }
A61F 2002/30736	.....	Augments or augmentation pieces, e.g. wedges or blocks for bridging a bone defect
A61F 2002/30738	.....	Sleeves
A61F 2002/30739	....	{Devices connected to the proximal part of an endoprosthetic femoral shaft for reinforcing or replacing the trochanters, e.g. the greater trochanter (proximal parts of endoprosthetic femoral shafts A61F 2/367; non-prosthetic trochanteric devices A61B 17/74) }
A61F 2002/30741	.....	for the lesser trochanter
A61F 2002/30744	....	{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 2002/30749	....	{ 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 2002/30756	...	{Cartilage endoprotheses (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 2002/30767	...	{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 2002/30771	....	{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 2002/30907	....	{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 2002/3094	...	{Designing or manufacturing processes (not used, see subgroups) }
A61F 2002/30942	....	{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 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 2002/30988	...	{Other joints not covered by any of the groups A61F 2/32 to A61F 2/4425 }
A61F 2002/3099	....	{ for temporo-mandibular [TM, TMJ] joints (endoprostheses 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 2002/32	...	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 2002/34	....	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 2002/36	....	Femoral heads; {Femoral endoprotheses }
A61F 2002/3601	.....	{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 2002/3603	.....	{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 2002/3609	.....	{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 2002/3662	.....	{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 2002/3672	.....	{Intermediate parts of shafts }
A61F 2002/3674	.....	Connections of proximal parts to distal parts
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 2002/38	...	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 2002/3804	....	{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 2002/3859	....	{Femoral components }
A61F 2002/3863	.....	Condyles fitted on an anchored base
A61F 2002/3877	....	{Patellae or trochleae }
A61F 2002/3881	.....	with moving parts
A61F 2002/3895	....	unicompartmental
A61F 2002/40	...	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 2002/4003	{Replacing only the epiphyseal or metaphyseal parts of the humerus, i.e. endoprosthesis not comprising an entire humeral shaft (replacing only the
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		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 2002/4014	....	{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 2002/4059	....	{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 2002/4081	....	{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 2002/42	...	for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes
A61F 2002/4202	....	{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 2002/4225	....	{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 2002/4241	....	{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 2002/4261	....	{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 2002/44	...	for the spine, e.g. vertebrae, spinal discs
A61F 2002/4415	....	elements of the prosthesis being arranged in a chain like manner
A61F 2002/442	....	{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 2002/4425	.....	{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 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 2002/46	...	Special tools or methods for implanting or extracting artificial joints, accessories, bone grafts or substitutes, or particular adaptations therefor
A61F 2002/4601	....	{ 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 2002/4603	....	{for insertion or extraction of endoprosthetic joints or of accessories thereof }
A61F 2002/4615	.....	of spacers
A61F 2002/4616	.....	of temporo-mandibular joints
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 2002/4637	....	{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 2002/4644	....	{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 2002/4657	....	{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 2002/4675	....	{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 2002/4681	....	by applying mechanical shocks, e.g. by hammering
A61F 2002/4683	.....	by applying ultrasonic vibrations
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 2002/50	.	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 2002/5044 . . . {[Designing or manufacturing processes \(not used, see subgroup\)](#) }
- A61F 2002/5046 {[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 2002/52	..	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 2002/54	..	Artificial arms or hands or parts thereof
A61F 2002/543	...	Lower arms or forearms
A61F 2002/546	...	Upper arms
A61F 2002/58	...	Elbows; Wrists; {Other joints; Hands }
A61F 2002/583	....	{Hands; Wrist joints }
A61F 2002/586	.....	{Fingers }
A61F 2002/587	.....	Thumbs
A61F 2002/60	..	Artificial legs or feet or parts thereof

A61F 2002/607	...	Lower legs
A61F 2002/608	...	Upper legs
A61F 2002/64	...	Knee joints
A61F 2002/648	....	Patellae
A61F 2002/66	...	Feet; 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 2002/68	..	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 2002/70	...	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 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 2002/76	..	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 2002/78	..	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 2002/7812	...	{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 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 2002/80	...	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 2002/82	.	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 2002/848	..	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 2002/86	..	Stents in a form characterised by the wire-like elements; Stents in the form characterised by a net-like or mesh-like structure
A61F 2002/90	...	characterised by a net-like or mesh-like structure
A61F 2002/91	....	made from perforated sheet material or tubes, e.g. perforated by laser cuts or etched holes
A61F 2002/915	.....	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 2002/95	.	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 2002/958 .. 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 2002/962 .. having an outer sleeve
 - A61F 2002/966 ... with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod
 - A61F 2002/9665 with additional retaining means
- A61F 2005/00** **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 2005/0003 . { 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 2005/0013 .. { 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 2005/01 . Orthopaedic devices, e.g. splints, casts or braces
 - A61F 2005/0102 .. {specially adapted for correcting deformities of the limbs or for supporting them; Orthoses, e.g. with articulations }
 - 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 2005/0197 with spring means

- A61F 2005/41 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 2005/44 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 2005/4402 disposable
- A61F 2005/4415 venting by manual operation
- A61F 2005/445 Colostomy, {[ileostomy or urethrostomy](#) } devices ([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take precedence)
- A61F 2005/4455 Implantable
- A61F 2005/4483 Convex pressure ring
- A61F 2005/4486 with operable locking ring
- A61F 2005/4495 with floating-belt attaching ring

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

- A61F 2006/00** **Contraceptive devices; Pessaries; Applicators therefor** ([chemical aspects of contraception A61K](#))

- A61F 2006/02 for use by males ([A61F 6/20](#) takes precedence)
- A61F 2006/04 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 2007/00

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 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 2007/007	.	{ 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 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 2007/0098	.	ways of manufacturing heating or cooling devices for therapy
A61F 2007/02	.	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 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 2007/03 . . Thermophore, i.e. self-heating, { e.g. using a chemical reaction }
- A61F 2007/032 . . . { using oxygen from the air, e.g. pocket-stoves }
- A61F 2007/034 { Flameless }
- A61F 2007/036 Fuels
- A61F 2007/038 Carbon or charcoal, e.g. active

- A61F 2007/08 . 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 2007/10 . Cooling bags, e.g. ice-bags
- A61F 2007/101 . . for cooling organs in the body before or during surgery
- A61F 2007/103 . . {refillable }
- A61F 2007/105 . . . Closures specially adapted for icebags or packs
- A61F 2007/108 . . Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment
- A61F 2007/12 . Devices for heating or cooling internal body cavities
- A61F 2007/126 . . for invasive application, e.g. for introducing into blood vessels

A61F 2009/00 **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 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 2009/007 . Methods or devices for eye surgery
- A61F 2009/008 . . using laser
- 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 2009/02	.	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 2011/00		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 2011/06	.	Protective devices for the ears
A61F 2011/08	..	internal, e.g. earplugs
A61F 2011/085	...	including an inner channel
A61F 2011/14	..	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

A61F 2013/00 **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 35/00C](#); 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](#) })

WARNING

Documents are in the process of being transferred from groups [A61F 13/00](#) and [A61F 13/16](#) to [A61F 13/2051](#) to groups [A61F 13/15](#) and [A61F 13/28](#) to [A61F 13/82](#)

- A61F 2013/00089 . Wound bandages ([A61F 2013/00361](#) takes precedence; adhesive wound bandages [K61F 13/15A1A](#); for haemorrhoids [K61F 13/15A2](#); incontinence protection pads for anal discharge [K61F 13/15A3D](#); surgical tampons [K61F 13/15A9](#); special configurations, e.g. for catheter or tracheostomy [K61F 13/15B4](#); anatomically shaped for the rest of the body [K61F 13/15B6](#))
- A61F 2013/00093 . . tubular
- A61F 2013/00097 . . . net structure (net-like plaster [K61F 13/00J2C](#))
- 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- (lubricant top layers [K61F 13/15C7G](#); containing lubricants [K61F 13/15H8G](#); 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 (with different accessories [K61F 13/15H5](#))
- 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 (net-like top K61F 13/15C1D ; absorbent core with a reinforcing structure, e.g. net K61F 13/15D2H)
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 K61F 13/15C7G ; containing lubricants K61F 13/15H8G)

- 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 ([adhesive wound bandages K61F 13/15A1A](#); for haemorrhoids
[K61F 13/15A2](#); incontinence protection pads for anal discharge [K61F 13/15A3D](#);
protecting the body against ulcers [A61F 2013/15024](#); surgical tampons [K61F 13/15A9](#);
protection in contaminates, e.g. NBC or industrial toxic ambience [A61F 2013/15065](#);
prophylaxis [A61F 2013/15081](#); special configurations, e.g. for catheter or
tracheostomy [K61F 13/15B4](#); anatomically shaped for the rest of the body
[K61F 13/15B6](#); hot-melt elastomeric adhesive [K61F 13/15B9L5](#); with thermoplastic
adhesive [K61F 13/15C5D1](#); connection between layers by adhesive [K61F 13/15D2E1](#);
thermoplastic with heat [K61F 13/15D2E2](#); with thermoplastic adhesive
[K61F 13/15D4D1](#); absorbent structures with superabsorbent, e.g. SAM
[K61F 13/15D7](#); with adhesive-like impermeable layer [K61F 13/15E8](#); adhesive
fastening means [K61F 13/15G1](#), [K61F 13/15G4A](#); apparatus for manufacturing using
adhesives [K61F 13/15H10E5](#))
- 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 (plasters with foam cast K61F 1/00L2H5 ; cushion on the elastic means or foam K61F 13/15B9R1 ; top layer foam K61F 13/15C1F ; superabsorbent foam or sponge K61F 13/15D7D5 ; absorbent structure made of foam K61F 13/15D8 ; foam underlayers K61F 13/15E1D ; foam side parts K61F 13/15F4A11 ; process of foam or sponge formation K61F 13/15H11N)
A61F 2013/00744	....	containing non-woven (top layers made of non-woven K61F 13/15C1B ; polymeric non-woven K61F 13/15C1C ; multi-layered top sheet K61F 13/15C4F1 , K61F 13/15C4F5 , K61F 13/15C4F7 ; with superabsorbent in form of paper or non-woven cloth or fabric K61F 13/15D7D2D ; underlayer consisting in multi-layered structure of non-woven and synthetic film K61F 13/15E1E1 ; underlayers made of non-woven K61F 13/15E3G ; side parts made of polymeric non-woven K61F 13/15F4A9 ; apparatus for manufacturing non-woven webs K61F 13/15H10H)
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 (hot-melt elastomeric adhesive K61F 13/15B9L5 ; with thermoplastic adhesive K61F 13/15C5D1 ; connection between layers by adhesive K61F 13/15D2E1 ; thermoplastic with heat K61F 13/15D2E2 ; with thermoplastic adhesive K61F 13/15D4D1 ; with adhesive-like impermeable layer K61F 13/15E8 ; adhesive fastening means K61F 13/15G1 , K61F 13/15G4A ; apparatus for manufacturing, using adhesives K61F 13/15H10E5 ; 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 ; 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 2013/00859	...	with macroscopic openings
A61F 2013/00863	...	with pores
A61F 2013/00868	...	thin film (polymeric thin film K61F 13/00L5B)
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 (top layer with odour control K61F 13/15C9 ; sprayed with odours or smells K61F 13/15C7M ; underlayer with odour control means K61F 13/15E9 ; containing perfumes or medicaments K61F 13/15H8)
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 ; underlayers K61F 13/15E2)

- A61F 2013/0094 . . . for sensing physical parameters ([plasters for conducting test A61F 2013/00429](#); [sensors or indicators for wetness or Ph K61F 13/15H3](#); for diagnostic purposes [K61F 13/15H4](#))
- 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 2013/02 . 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 2013/0276 . . { Apparatus or processes for manufacturing adhesive dressings or bandages }
- A61F 2013/0296 . . . for making transdermal patches ([chemical processes excluded](#))

- A61F 2013/15 . 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 2013/15203	..	{Properties of the article, e.g. stiffness or absorbency (chemical aspects A61L 15/00) }
A61F 2013/15211	...	{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 2013/15252	...	{compostable or biodegradable }
A61F 2013/1526	....	compostable
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 2013/15577	..	{Apparatus or processes for manufacturing }
A61F 2013/15707	...	{Mechanical treatment, e.g. notching, twisting, compressing, shaping }
A61F 2013/15715	....	Shaping or making outer layers
A61F 2013/15772	...	{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 2013/15804	...	{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 2013/20 ... Tampons, e.g. catamenial tampons; Accessories therefor

WARNING

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

A61F 2013/2002 ... { characterised by the use }

[A61F 2013/2014](#) for endoscopic procedures

A61F 2013/42 ... 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 2013/45 ... 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](#) and [K61F13/M4C](#) 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 2013/47 ... Sanitary towels, incontinence pads or napkins ([A61F 13/49](#) takes precedence)

[A61F 2013/4706](#) enlarged in the anal area

[A61F 2013/4708](#) Panty-liner

A61F 2013/472 specially adapted for female use { ([A61F 13/474](#), [A61F 13/475](#), [A61F 13/476](#)

		take precedence) }
A61F 2013/47281	.....	with internal collecting device
A61F 2013/4729	.....	combining catamenial pad and tampon
A61F 2013/49	...	Absorbent articles specially adapted to be worn around the waist, e.g. diapers
A61F 2013/49007	....	{ Form-fitting, self-adjusting disposable diapers }
A61F 2013/49009	.....	{ with elastic means }
A61F 2013/4902	.....	{ 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 K61F1349D2B - K61F1349D2K
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 2013/49058	....	{ characterised by the modular concept of constructing the diaper }
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 sleeves
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 2013/494	....	characterised by edge leakage prevention means
A61F 2013/49406	.....	{ the edge leakage prevention means being at the crotch region }
A61F 2013/49413	.....	{ the edge leakage prevention means being an upstanding barrier }
A61F 2013/49433	.....	the barrier having variable heights
A61F 2013/4944	.....	having multiple barriers
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 2013/495	....	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 2013/496	....	in the form of pants or briefs
A61F 2013/4966	.....	with intentionally damp topsheet
A61F 2013/505	...	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 2013/51	..	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 2013/511	...	Topsheet, i.e. the permeable cover or layer facing the skin
A61F 2013/51113	....	{ comprising an additive e.g. lotion or odour control A61F 13/51108 takes precedence }
A61F 2013/51117	.....	the lotion having skin care properties
A61F 2013/51121	....	{ characterised by the material }

A61F 2013/51126	.....	being nets
A61F 2013/5113	.....	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 2013/5116	....	{ 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 2013/512	....	characterised by its apertures, e.g. perforations
A61F 2013/5127	.....	characterized by the dimension of apertures
A61F 2013/5128	.....	characterized by open targets or acquisitions or vulnerability zones
A61F 2013/513	....	{ characterised by its function or properties, e.g. stretchability, breathability, rewet, visual effect; } having areas of different permeability
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 2013/514	...	backsheet, i.e. the impermeable cover or layer furthest from the skin { (A61F 13/15211 , A61F 13/15252 take precedence) }
A61F 2013/51401	....	{ characterised by the material }
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 2013/51456	....	{ characterised by its properties }
A61F 2013/51468	.....	being removable
A61F 2013/5147	.....	the outer layer being adhesive itself
A61F 2013/51472	.....	for reducing noise
A61F 2013/51474	....	{ characterised by its structure }
A61F 2013/51478	.....	{ being a laminate, e.g. multi-layered or with several layers }
A61F 2013/51482	.....	being laminated on paper
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 2013/53	..	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 2013/531	...	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 2013/532	....	inhomogeneous in the plane of the pad
A61F 2013/5326	.....	being a flanged fibrous pad
A61F 2013/534	...	having an inhomogeneous composition through the thickness of the pad ({ A61F 13/538 , A61F 13/539 take precedence; homogeneous cores with tissue wrapping A61F 13/53 })
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 2013/535	....	inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes { (A61F 13/5323 , A61F 13/537 take precedence) }
A61F 2013/5355	.....	with terraced core
A61F 2013/537	....	characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer { (A61F 13/538 takes precedence) }
A61F 2013/53708	.....	{ the layer having a promotional function on liquid propagation in at least one 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 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 2013/538	...	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 2013/539	...	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 2013/551	..	Packaging before or after use { (general packaging of absorbent pads B65D 85/00) }
A61F 2013/55105	...	{ packaging of diapers }
A61F 2013/5512	....	{ after use }
A61F 2013/55125	.....	the disposal system being a bag or a pocket integral with or attached to the diaper
A61F 2013/5513	...	{ packaging of feminine sanitary napkins }
A61F 2013/5515	....	{ after use }
A61F 2013/55155	.....	the disposal system being a bag or pocket integral with or attached to the sanitary napkin
A61F 2013/55195	...	Packaging for dispensing and disposing
A61F 2013/56	..	Supporting or fastening means
A61F 2013/5622	...	{ specially adapted for diapers or the like }
A61F 2013/5627	....	comprising a zip fastener
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 2013/58	...	Adhesive tab fastener elements ({ A61F 13/5611 , A61F 13/5616 }, A61F 13/66 take precedence)
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 2013/84	..	Accessories, not otherwise provided for, for absorbent pads
A61F 2013/8402	...	including disposal means (A61F 13/5512 , K61F 13/55B4 , A61F 13/5517 ,

		13/5518 take precedence)
A61F 2013/8405	...	{ 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-microbial
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

Guidance heading:

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