

## SECTION A — HUMAN NECESSITIES

## A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

**A61F FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; DEVICES PROVIDING PATENCY TO, OR PREVENTING COLLAPSING OF, TUBULAR STRUCTURES OF THE BODY, E.G. STENTS; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS (dental prosthetics A61C) [6, 2006.01]**

Subclass index

FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES OR ACCESSORIES.....2/00, 3/00  
 INVALID OPERATED APPARATUS OR DEVICES.....4/00  
 ORTHOPAEDICS, NURSING, CONTRACEPTIVE DEVICES.....5/00, 6/00  
 FOMENTATION, HEATING OR COOLING.....7/00  
 TREATMENT OR PROTECTION OF THE EYES OR EARS, SUBSTITUTION BY OTHER SENSES.....9/00, 11/00  
 BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS.....13/00, 15/00, 17/00

Filters; Devices providing patency to tubular structures;Prostheses; Accessories

- 2/00 Filters implantable into blood vessels; Prostheses, i.e. artificial substitutes or replacements for parts of the body; Appliances for connecting them with the body; Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents** (as cosmetic articles, *see* the relevant subclasses, e.g. wigs, hair pieces, A41G 3/00, A41G 5/00, artificial nails A45D 31/00; dental prostheses A61C 13/00; materials for prostheses A61L 27/00; artificial hearts A61M 1/10; artificial kidneys A61M 1/14) **[4, 6, 2006.01]**
- 2/01 • Filters implantable into blood vessels **[6]**
- 2/02 • Prostheses implantable into the body **[4]**
- 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, e.g. stents, A61F 2/82; instruments specially adapted for placement or removal of stents or stent-grafts A61F 2/95) [4, 2006.01, 2013.01]*
- 2/06 • • • *Blood vessels [4, 2013.01]*
- 2/07 • • • • *Stent-grafts [2013.01]*
- 2/08 • • Muscles; Tendons; Ligaments **[4]**
- 2/10 • • Hair or skin implants **[4]**
- 2/12 • • Mammary prostheses **[4]**
- 2/14 • • Eye parts, e.g. lenses, corneal implants (removable contact lenses G02C 7/04); Artificial eyes (making thereof from organic plastic material B29C, B29D 11/02) **[4]**
- 2/16 • • • Intraocular lenses **[4]**
- 2/18 • • Internal ear or nose parts, e.g. ear-drums **[4]**
- 2/20 • • Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi *per se* A61F 2/04) **[4]**
- 2/24 • • Heart valves **[4]**

- 2/26 • • Penis implants **[4]**
- 2/28 • • Bones (joints A61F 2/30) **[4]**
- 2/30 • • Joints **[4]**
- 2/32 • • • for the hip **[4]**
- 2/34 • • • • Acetabular cups **[4]**
- 2/36 • • • • Femoral heads **[4]**
- 2/38 • • • for elbows or knees **[4]**
- 2/40 • • • for shoulders **[4]**
- 2/42 • • • for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes **[4]**
- 2/44 • • • for the spine, e.g. vertebrae, spinal discs **[4]**
- 2/46 • • • Special tools for implanting artificial joints (surgical instruments A61B 17/00) **[4]**
- 2/48 • • Operating or control means, e.g. from outside the body, control of sphincters **[4]**
- 2/50 • Prostheses not implantable in the body **[4]**
- 2/52 • • Mammary prostheses (brassières A41C 3/00) **[4]**
- 2/54 • • Artificial arms or hands or parts thereof **[4]**
- 2/56 • • • adjustable **[4]**
- 2/58 • • • Elbows; Wrists **[4]**
- 2/60 • • Artificial legs or feet or parts thereof **[4]**
- 2/62 • • • adjustable, e.g. adjustable shank, thigh, or tubular skeletal system **[4]**
- 2/64 • • • Knee joints **[4]**
- 2/66 • • • Feet; Ankle joints **[4]**
- 2/68 • • Operating or control means **[4]**
- 2/70 • • • electrical **[4]**
- 2/72 • • • • Bioelectric control, e.g. myoelectric **[4]**
- 2/74 • • • fluid **[4]**
- 2/76 • • Means for assembling, fitting, or testing prostheses, e.g. for measuring or balancing **[4]**
- 2/78 • • Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump **[4]**
- 2/80 • • • Sockets, e.g. of suction type **[4]**

- 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) [2006.01, 2013.01]
- 2/844 • • folded prior to deployment [2013.01]
- 2/848 • • having means for fixation to the vessel wall, e.g. barbs [2013.01]
- 2/852 • • Two or more distinct overlapping stents [2013.01]
- 2/856 • • Single tubular stent with side portal passage [2013.01]
- 2/86 • • Stents in a form characterised by wire-like elements; Stents in a form characterised by a net-like or mesh-like structure [2006.01, 2013.01]
- 2/88 • • • the wire-like elements formed as helical or spiral coils (forming a net-like or mesh-like structure A61F 2/90) [2006.01]
- 2/89 • • • the wire-like elements comprising two or more adjacent rings flexibly connected by separate members [2013.01]
- 2/90 • • • characterised by a net-like or mesh-like structure [2006.01, 2013.01]
- 2/91 • • • • made from perforated sheets or tubes, e.g. perforated by laser cuts or etched holes [2013.01]
- 2/915 • • • • • with bands having a meander structure, adjacent bands being connected to each other [2013.01]
- 2/92 • • Stents in the form of a rolled-up sheet expanding after insertion into the vessel [2006.01, 2013.01]
- 2/93 • • • circumferentially expandable by using ratcheting locks [2013.01]
- 2/94 • • Stents retaining their form, i.e. not being deformable, after placement in the predetermined place [2006.01, 2013.01]
- 2/945 • • • hardenable, e.g. stents formed *in situ* [2013.01]
- 2/95 • Instruments specially adapted for placement or removal of stents or stent-grafts [2013.01]
- 2/954 • • for placing stents or stent-grafts in a bifurcation [2013.01]
- 2/958 • • Inflatable balloons for placing stents or stent-grafts [2013.01]
- 2/962 • • having an outer sleeve [2013.01]
- 2/966 • • • with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod [2013.01]
- 2/97 • • • the outer sleeve being splittable [2013.01]

### 3/00 Lengthening pieces for natural legs

### 4/00 Methods or devices enabling patients or disabled persons to operate an apparatus or a device not forming part of the body (operating or control means for prostheses A61F 2/48, A61F 2/68) [4]

### 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 (bandages, dressings or absorbent pads A61F 13/00) [3, 4, 5]

### Note(s)

This group does not cover chiropractic methods or devices, which are covered by group A61H 1/00.

- 5/01 • Orthopaedic devices, e.g. long-term immobilising or pressure directing devices for treating broken or deformed bones such as splints, casts or braces
- 5/02 • • Orthopaedic corsets
- 5/03 • • Corsets or bandages for abdomen, teat, or breast support, with or without pads (brassières A41C 3/00)
- 5/04 • • Devices for stretching or reducing fractured limbs; Devices for distractions; Splints [4]
- 5/042 • • • for extension or stretching [6]
- 5/045 • • • • Equipment for beds, treatment tables, floor frames or the like [6]
- 5/048 • • • • Traction splints [6]
- 5/05 • • • for immobilising (A61F 5/042 takes precedence) [6]
- 5/052 • • • • specially adapted to facilitate walking, e.g. ambulatory braces [6]
- 5/055 • • • • Cervical collars [6]
- 5/058 • • • • Splints (A61F 5/052 takes precedence) [6]
- 5/08 • • Devices for correcting deformities of the nose
- 5/10 • • Devices for correcting deformities of the fingers
- 5/11 • • Devices for correcting deformities of the nails
- 5/14 • • Special medical insertions for shoes for flat-feet, club-feet, or the like (ordinary arch supports A43B 7/14)
- 5/24 • • Trusses
- 5/26 • • • with belt springs
- 5/28 • • • Supports for trusses
- 5/30 • • Pressure pads (corn-pads, corn-rings A61F 13/06)
- 5/32 • • • Adjustable pressure pads
- 5/34 • • • Pressure pads filled with air or liquid (valves specially adapted for medical use A61M 39/00)
- 5/37 • Restraining devices for the body or for body parts; Restraining shirts
- 5/40 • Suspensory bandages
- 5/41 • Devices for promoting penis erection (penis implants A61F 2/26; massage of the genitals A61H 19/00) [4]
- 5/44 • Devices worn by the patient for reception of urine, faeces, catamenial or other discharge (absorbent pads, e.g. sanitary towels, A61F 13/15; drainage appliances for wounds A61M 27/00); Colostomy devices (adhesives for colostomy devices A61L 24/00; materials for colostomy devices A61L 28/00)
- 5/441 • • having deodorant means, e.g. filters [4]
- 5/442 • • having irrigation ports or means (irrigators A61M 3/02) [4]
- 5/443 • • having hydrocolloid type seals, e.g. gels, starches, karaya gums [4]
- 5/445 • • Colostomy devices (A61F 5/441, A61F 5/442, A61F 5/443 take precedence) [4]
- 5/447 • • • Bag anticollapse features [4]
- 5/448 • • • Means attaching bag to seal ring [4]
- 5/449 • • • Body securing means, e.g. belts, garments [4]
- 5/451 • • Genital receptacles (A61F 5/441, A61F 5/442, A61F 5/443 take precedence) [4]
- 5/452 • • • with separate faecal receiving compartment [4]
- 5/453 • • • for collecting urine or other discharge from male member (A61F 6/04 takes precedence) [4]
- 5/455 • • • for collecting urine or discharge from female member [4]
- 5/457 • • • Body securing means, e.g. belts, straps or harnesses [4]

- 5/458 • • • • adherent or inflatable type [4]
- 5/48 • Devices for preventing wetting or pollution of the bed
- 5/50 • Devices for preventing finger-sucking
- 5/56 • Devices for preventing snoring
- 5/58 • Apparatus for correcting stammering or stuttering
- 6/00 Contraceptive devices; Pessaries; Applicators therefor** (chemical aspects of contraception A61K) [5]
- 6/02 • for use by males (A61F 6/20 takes precedence) [5]
- 6/04 • • Condoms, sheaths or the like [5]
- 6/06 • for use by females (A61F 6/20 takes precedence) [5]
- 6/08 • • Pessaries, i.e. devices worn in the vagina to support the uterus, remedy a malposition or prevent conception [5]
- 6/10 • • • Diaphragms [5]
- 6/12 • • • Inserters or removers [5]
- 6/14 • • intra-uterine type [5]
- 6/16 • • • inflatable [5]
- 6/18 • • • Inserters or removers [5]
- 6/20 • Vas deferens occluders; Fallopian occluders [5]
- 6/22 • • implantable in tubes [5]
- 6/24 • • • characterised by valve means [5]
- 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; hyperthermia using electric or magnetic fields or ultrasound A61N) [5]
- 7/02 • Compresses or poultices for effecting heating or cooling [3]
- 7/03 • • thermophore, i.e. self-heating [3]
- 7/08 • Warming pads, pans or mats (A61F 7/02 takes precedence); Hot-water bottles [3]
- 7/10 • Cooling bags, e.g. ice-bags
- 7/12 • Devices for heating or cooling internal body cavities

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

- 9/00 Methods or devices for treatment of the eyes; Devices for putting in contact-lenses; Devices to correct squinting; Apparatus to guide the blind; Protective devices for the eyes, carried on the body or in the hand** (caps with means for protecting the eyes A42B 1/06; visors for helmets A42B 3/22; eye baths A61H 35/02; sunglasses or goggles having the same features as spectacles G02C)
- 9/007 • Methods or devices for eye surgery [6]
- 9/008 • • using laser [7]
- 9/009 • • • Auxiliary devices for making contact with the eyeball and coupling-in laser light [7]
- 9/01 • • • Treatment of the cornea [7]
- 9/011 • • • invasive [7]
- 9/013 • • for compensation of ocular refraction (A61F 9/008 takes precedence) [6, 7]
- 9/02 • Goggles (for swimming A63B 33/00)
- 9/04 • Eye-masks
- 9/06 • • Masks, shields, or hoods for welders (safety devices for welding in general F16P 1/00)
- 9/08 • Devices or methods enabling eye-patients to replace direct visual perception by another kind of perception

- 11/00 Methods or devices for treatment of the ears, e.g. surgical; Protective devices for the ears, carried on the body or in the hand** (headwear, e.g. caps or helmets, with means for protecting the ears A42B 1/06, A42B 3/16)
- 11/04 • Devices or methods enabling ear patients to replace direct auditory perception by another kind of perception
- 11/06 • Protective devices for the ears [5]
- 11/08 • • internal, e.g. earplugs [5]
- 11/10 • • • inflatable or expandable [5]
- 11/12 • • • External mounting means [5]
- 11/14 • • external, e.g. earcaps or earmuffs [5]

#### **Bandages, dressings or absorbent pads; First-aid kits**

- 13/00 Bandages or dressings** (suspensory bandages A61F 5/40; radioactive dressings A61M 36/14); **Absorbent pads** (chemical aspects of, or use of materials for, bandages, dressings or absorbent pads A61L 15/00, A61L 26/00)
- 13/02 • Adhesive plasters or dressings (A61F 13/06-A61F 13/15 take precedence; surgical adhesives or cements A61L 24/00) [4, 5]
- 13/04 • Plaster of Paris bandages; Other stiffening bandages (A61F 13/06-A61F 13/15 take precedence; orthopaedic casts made from stiffening bandages A61F 5/01)
- 13/06 • specially adapted for feet or legs; Corn-pads; Corn-rings
- 13/08 • • Elastic stockings; for contracting aneurisms
- 13/10 • specially adapted for fingers, hands, or arms; Finger-stalls; Nail-protectors
- 13/12 • specially adapted for the head or neck
- 13/14 • specially adapted for the breast or abdomen (corsets or bandages for support of breast or abdomen A61F 5/03)
- 13/15 • Absorbent pads, e.g. sanitary towels, swabs or tampons for external or internal application to the body (non-absorbent catamenial receptacles A61F 5/44); Supporting or fastening means therefor; Tampon applicators [5]
- 13/20 • • Tampons, e.g. catamenial tampons; Accessories therefor [5]
- 13/22 • • • Tampons made of rolled-up material [5]
- 13/24 • • • Cup-shaped type tampons [5]
- 13/26 • • • Means for inserting tampons [5]
- 13/28 • • • • with lubricating means [5]
- 13/30 • • • • Distal portion of inserting means being deformed, expanded, or ruptured to permit passage of insert therethrough [5]
- 13/32 • • • • with slidable ejector, e.g. plunger or ram, inside tubular inserting means [5]
- 13/34 • • • Means for withdrawing tampons [5]
- 13/36 • • Surgical swabs, e.g. for absorbency or packing body cavities during surgery (A61F 13/38, A61F 13/40 take precedence) [5]
- 13/38 • • Swabs having a stick-type handle (A61F 13/40 takes precedence) [5]
- 13/40 • • having means integral therewith for supplying media to the absorbent material, e.g. contained in a rupturable reservoir [5]
- 13/42 • • with wetness indicator or alarm [5]
- 13/44 • • with radio-opaque material or signalling means for residual material [5]

## A61F

- 13/45 • • characterised by the shape (cup-shaped type tampons A61F 13/24) [7]
- 13/47 • • • Sanitary towels, incontinence pads or napkins (A61F 13/49 takes precedence) [7]
- 13/471 • • • • specially adapted for male use [7, 2006.01]
- 13/472 • • • • specially adapted for female use [7, 2006.01]
- 13/474 • • • • adjustable [7]
- 13/475 • • • • characterised by edge leakage prevention means [7]
- 13/476 • • • • characterised by encircling the crotch region of the undergarment, e.g. with flaps [7]
- 13/49 • • • specially adapted to be worn around the waist, e.g. diapers, nappies [7]
- 13/491 • • • • specially adapted for gender distinct urine discharge pattern [7]
- 13/493 • • • • adjustable [7]
- 13/494 • • • • characterised by edge leakage prevention means [7]
- 13/495 • • • • with faecal cavity [7]
- 13/496 • • • • in the form of pants or briefs [7]
- 13/505 • • with separable parts, e.g. combination of disposable and reusable parts (A61F 13/20 takes precedence; supporting or fastening means A61F 13/56) [7]
- 13/51 • • characterised by the outer layers of the pads (A61F 13/20 takes precedence) [7]
- 13/511 • • • Topsheet, i.e. the permeable cover or layer facing the skin [7]
- 13/512 • • • • characterised by its apertures, e.g. perforations [7]
- 13/513 • • • • having areas of different permeability [7]
- 13/514 • • • Backsheet, i.e. the impermeable cover or layer furthest from the skin [7]
- 13/515 • • • characterised by the interconnection of the topsheet and the backsheet [7]
- 13/53 • • characterised by the absorbing medium (A61F 13/20 takes precedence) [7]
- 13/531 • • • having a homogeneous composition through the thickness of the pad (A61F 13/538, A61F 13/539 take precedence) [7]
- 13/532 • • • • inhomogeneous in the plane of the pad [7]
- 13/533 • • • • • having discontinuous areas of compression [7]
- 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 13/531) [7]
- 13/535 • • • • inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes (A61F 13/537 takes precedence) [7]
- 13/536 • • • • • having discontinuous areas of compression [7]
- 13/537 • • • • characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer [7]
- 13/538 • • • characterised by specific fibre orientation or weave [7]
- 13/539 • • • characterised by the connection of absorbent layers with each other or with the outer layers [7]
- 13/551 • • Packages or wrapping arrangements for used pads, e.g. for disposal [7]
- 13/56 • • Supporting or fastening means [5]
- 13/58 • • • Adhesive tab fastener elements (A61F 13/66 takes precedence) [5]
- 13/60 • • • • with release means associated with tab fasteners [5]
- 13/62 • • • Fabric strip fastener elements, e.g. hook and loop (A61F 13/66 takes precedence) [5]
- 13/64 • • • Straps, belts, ties or endless bands (A61F 13/66 takes precedence) [5]
- 13/66 • • • Garments, holders or supports not integral with absorbent pads [5]
- 13/68 • • • • abdominal enclosing type [5]
- 13/70 • • • • • with openable or removable crotch portion [5]
- 13/72 • • • • • with endless waist encircling band, e.g. panty type [5]
- 13/74 • • • • having means to retain absorbent pads [5]
- 13/76 • • • • • transverse to width of the pads or fastener elements, e.g. straps, end flaps or tucks [5]
- 13/78 • • • • • Button or snap fastener elements [5]
- 13/80 • • • • adjustable relative to body crotch area [5]
- 13/82 • • • • with means for attaching to the body [5]
- 13/84 • • Accessories, not otherwise provided for, for absorbent pads [7]
- 15/00 Auxiliary appliances for wound dressings; Dispensing containers for dressings or bandages**
- 15/02 • Devices for cutting bandages of any kind, e.g. shears, cast-cutting saws
- 17/00 First-aid kits**