

## SECTION A — HUMAN NECESSITIES

### A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

**A61C DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE** (non-driven toothbrushes A46B; preparations for dentistry A61K 6/00; preparations for cleaning the teeth or mouth A61K 8/00, A61Q 11/00)

#### Subclass index

DENTAL SURGERY.....	1/00-8/00
DENTAL PROSTHETICS; ARTIFICIAL TEETH.....	9/00-13/00
DEVICES FOR CLEANING OF TEETH OR MOUTH.....	15/00, 17/00
DENTAL AUXILIARY APPLIANCES.....	19/00

#### Dental surgery

- 1/00 Dental machines for boring or cutting [1, 2006.01]**
- 1/02 • characterised by the drive of the dental tools [1, 2006.01]
- 1/04 • • with treadle or manual drive [1, 2006.01]
- 1/05 • • with turbine drive [1, 2006.01]
- 1/06 • • with electric drive [1, 2006.01]
- 1/07 • • with vibratory drive, e.g. ultrasonic [1, 2006.01]
- 1/08 • Machine parts specially adapted for dentistry [1, 2006.01]
- 1/10 • • Straight hand-pieces [1, 2006.01]
- 1/12 • • Angle hand-pieces [1, 2006.01]
- 1/14 • • Tool-holders [1, 2006.01]
- 1/16 • • Protecting caps for hand-pieces or angle-pieces [1, 2006.01]
- 1/18 • • Flexible shafts; Clutches or the like [1, 2006.01]
- 3/00 Dental tools or instruments** (implanting tools A61C 8/00; tools for fastening artificial teeth A61C 13/12; visual inspection devices, e.g. dental mirrors, A61B 1/24) [1, 2006.01]
- 3/02 • Tooth drilling or cutting instruments; Instruments acting like a sandblast machine [1, 2006.01]
- 3/025 • • Instruments acting like a sandblast machine, e.g. for cleaning, polishing or cutting teeth [5, 2006.01]
- 3/03 • • Instruments operated by vibration [1, 2006.01]
- 3/04 • Supports for holding tooth drills in order of use [1, 2006.01]
- 3/06 • Tooth grinding or polishing discs; Holders therefor [1, 2006.01]
- 3/08 • Tooth pluggers or hammers [1, 2006.01]
- 3/10 • Tooth pincettes or the like [1, 2006.01]
- 3/12 • Tooth saws [1, 2006.01]
- 3/14 • Dentists' forceps or the like for extracting teeth [1, 2006.01]
- 3/16 • Dentists' forceps for removing crowns [1, 2006.01]
- 5/00 Filling or capping teeth [1, 2006.01, 2017.01]**
- 5/20 • Repairing attrition damage, e.g. facets [2017.01]
- 5/30 • Securing inlays, onlays or crowns [2017.01]

- 5/35 • • Pins; Mounting tools or dispensers therefor [2017.01]
- 5/40 • Implements for surgical treatment of the roots or nerves of the teeth; Nerve needles; Methods or instruments for medication of the roots [2017.01]
- 5/42 • • Files for root canals; Handgrips or guiding means therefor [2017.01]
- 5/44 • • Means for controlling working depth, e.g. supports or boxes with depth-gauging means, stop positioners or files with adjustably-mounted handles [2017.01]
- 5/46 • • Nerve extractors, e.g. needles; Means for removing broken parts of endodontic instruments [2017.01]
- 5/48 • • Means for preventing loss of endodontic instruments during treatment [2017.01]
- 5/50 • Implements for filling root canals; Methods or instruments for medication of tooth nerve channels [2017.01]
- 5/55 • • with heating means, e.g. for heating gutta percha [2017.01]
- 5/60 • Devices specially adapted for pressing or mixing capping or filling materials, e.g. amalgam presses [2017.01]
- 5/62 • • Applicators, e.g. syringes or guns [2017.01]
- 5/64 • • • for multi-component compositions [2017.01]
- 5/66 • • Capsules for filling material [2017.01]
- 5/68 • • Mixing dental material components for immediate application to a site to be restored, e.g. a tooth cavity [2017.01]
- 5/70 • Tooth crowns; Making thereof [2017.01]
- 5/73 • • Composite crowns [2017.01]
- 5/77 • • Methods or devices for making crowns [2017.01]
- 5/80 • Dental aids fixed to teeth during treatment, e.g. tooth clamps [2017.01]
- 5/82 • • Dams; Holders or clamps therefor [2017.01]
- 5/85 • • Filling bands, e.g. matrix bands; Manipulating tools therefor [2017.01]
- 5/88 • • Wedges [2017.01]
- 5/90 • Oral protectors for use during treatment, e.g. lip or mouth protectors (A61C 5/82 takes precedence) [2017.01]

- 7/00** **Orthodontics, i.e. obtaining or maintaining the desired position of teeth, e.g. by straightening, evening, regulating, separating, or by correcting malocclusions [1, 2006.01]**
- 7/02 • Tools for manipulating or working with an orthodontic appliance [5, 2006.01]
- 7/04 • • plier type [5, 2006.01]
- 7/06 • Extra-oral force transmitting means, i.e. means worn externally of the mouth and placing a member in the mouth under tension [5, 2006.01]
- 7/08 • Mouthpiece-type retainers [5, 2006.01]
- 7/10 • Devices having means to apply outwardly directed force, e.g. expanders [5, 2006.01]
- 7/12 • Brackets; Arch wires; Combinations thereof; Accessories therefor (A61C 7/10 takes precedence) [5, 2006.01]
- 7/14 • • Brackets (A61C 7/28 takes precedence); Fixing brackets to teeth [5, 2006.01]
- 7/16 • • • specially adapted to be cemented to teeth [5, 2006.01]
- 7/18 • • • specially adapted to be fixed to teeth with a band; Bands therefor [5, 2006.01]
- 7/20 • • Arch wires (A61C 7/28 takes precedence) [5, 2006.01]
- 7/22 • • • Tension adjusting means [5, 2006.01]
- 7/24 • • • Arch wire-enclosing guides [5, 2006.01]
- 7/26 • • • Arch wire attachments [5, 2006.01]
- 7/28 • • Securing arch wire to bracket [5, 2006.01]
- 7/30 • • • by resilient means (A61C 7/34 takes precedence) [5, 2006.01]
- 7/32 • • • using ligature wires [5, 2006.01]
- 7/34 • • • using lock pins [5, 2006.01]
- 7/36 • Devices acting between upper and lower teeth [5, 2006.01]
- 8/00** **Means to be fixed to the jaw-bone for consolidating natural teeth or for fixing dental prostheses thereon; Dental implants; Implanting tools** (fastening of peg-teeth in the mouth A61C 13/30) [2, 2006.01]
- 8/02 • Means for transfixation of natural teeth [4, 2006.01]

#### **Dental prosthetics; Artificial teeth [3]**

- 9/00** **Impression methods specially adapted for dental prosthetics; Impression cups therefor [1, 3, 2006.01]**
- 11/00** **Dental articulators, i.e. for simulating movement of the temporo-mandibular joints; Articulation forms or mouldings [1, 2006.01]**
- 11/02 • characterised by the arrangement, location or type of the hinge means [5, 2006.01]
- 11/04 • • resiliently biased [5, 2006.01]
- 11/06 • with incisal guide [5, 2006.01]
- 11/08 • with means to secure dental casts to articulator [5, 2006.01]
- 13/00** **Dental prostheses; Making same** (tooth crowns for capping teeth A61C 5/70; dental implants A61C 8/00) [1, 4, 2006.01]
- 13/003 • Prostheses without bases, e.g. dental bridges (fastening prostheses in the mouth A61C 13/225); Making same (artificial teeth A61C 13/08) [6, 2006.01]
- 13/007 • Prostheses with bases, e.g. palates or plates; Making same [6, 2006.01]
- 13/01 • • Bases [4, 2006.01]

- 13/02 • • • made by galvanoplastic methods; Surface treatment; Enamelling; Perfuming; Making antiseptic [1, 4, 2006.01]
- 13/03 • • • of metal with a ceramic layer [6, 2006.01]
- 13/06 • • • made by punching [1, 4, 2006.01]
- 13/07 • • Linings or cushions therefor (characterised by means to improve suction A61C 13/24) [6, 2006.01]
- 13/08 • Artificial teeth; Making same [1, 2006.01]
- 13/083 • • Porcelain or ceramic teeth [4, 2006.01]
- 13/087 • • Artificial resin teeth [4, 2006.01]
- 13/09 • • Multilayer teeth [4, 2006.01]
- 13/093 • • characterised by a shape which improves retention [4, 2006.01]
- 13/097 • • characterised by occlusal profiles [4, 2006.01]
- 13/10 • Fastening of artificial teeth to artificial base material, e.g. to palates or to adjacent artificial tooth (A61C 13/093 takes precedence; fastening prostheses in the mouth A61C 13/225) [1, 2006.01]
- 13/103 • • connected to base material by additional connecting member, e.g. knob or bar [6, 2006.01]
- 13/105 • • • with the connecting member embedded in base material [6, 2006.01]
- 13/107 • Prostheses for temporary restoration; Vestibular masks [4, 2006.01]
- 13/113 • Modular prostheses, e.g. using prefabricated bases or having prefabricated sets of teeth [4, 2006.01]
- 13/12 • Tools for fastening artificial teeth; Holders, clamps, or stands for artificial teeth [1, 2006.01]
- 13/14 • Curing devices for plastics prostheses [1, 2006.01]
- 13/15 • • for curing by the action of light [6, 2006.01]
- 13/16 • • Curing flasks; Holders therefor [1, 2006.01]
- 13/18 • • Presses for flasks [1, 2006.01]
- 13/20 • Methods or devices for soldering, casting, moulding or melting [1, 4, 2006.01]
- 13/225 • Fastening prostheses in the mouth (securing tooth crowns in capping teeth A61C 5/30) [4, 2006.01]
- 13/23 • • using adhesive foils or adhesive compositions (A61C 13/263 takes precedence) [4, 2006.01]
- 13/235 • • Magnetic fastening (magnetic implants A61C 8/00) [4, 2006.01]
- 13/24 • • Fastening by suction [1, 2006.01]
- 13/25 • • • including valve or air passageway leading from suction area to lingual cavity [6, 2006.01]
- 13/263 • • Screwing pinning or gluing of prostheses to natural teeth [4, 2006.01]
- 13/265 • • Sliding or snap attachments [4, 2006.01]
- 13/267 • • Clasp fastening [4, 2006.01]
- 13/271 • • resiliently engaging between, or to, natural teeth [4, 2006.01]
- 13/273 • • Locking prostheses to residual teeth by using rotational or sliding-locks or levers (A61C 13/265, A61C 13/277 take precedence) [4, 6, 2006.01]
- 13/275 • • Securing prostheses by using bridging bars or rails between residual teeth [4, 2006.01]
- 13/277 • • Telescopic anchoring [4, 2006.01]
- 13/28 • • Fastening by spring action between upper and lower parts of prostheses [1, 2006.01]
- 13/30 • • Fastening of peg-teeth in the mouth; Root pins [1, 4, 2006.01]
- 13/32 • • Stress-breakers [4, 2006.01]
- 13/34 • Making or working of models, e.g. preliminary castings, trial dentures; Dowel pins [4, 2006.01]
- 13/36 • • Orienting or positioning of artificial teeth, e.g. determining precise location or attitude therefor [6, 2006.01]

- 13/38 • Tools not otherwise provided for, for use in connection with dental prostheses or the making thereof [6, 2006.01]

#### **Tooth-cleaning or mouth-rinsing devices [3, 5]**

##### **15/00 Devices for cleaning between the teeth [1, 2006.01]**

- 15/02 • Toothpicks [4, 2006.01]  
15/04 • Dental floss; Floss holders [4, 2006.01]

##### **17/00 Devices for cleaning, polishing, rinsing or drying teeth, teeth cavities or prostheses (instruments acting like a sandblast machine A61C 3/025; tooth polishing discs or holders therefor A61C 3/06; devices for cleaning between the teeth A61C 15/00); Saliva removers; Dental appliances for receiving spittle [1, 5, 2006.01]**

##### **Note(s) [5]**

Cleaning of prostheses using ultrasonic techniques similar to those used for natural teeth is classified in this group. Other ultrasonic cleaning of prostheses is classified in group B08B 3/12.

- 17/02 • Rinsing or air-blowing devices, e.g. using fluid jets (combined with receptacles for spittle A61C 17/14; combined with power-driven cleaning or polishing devices A61C 17/16) [1, 5, 2006.01]  
17/022 • • Air-blowing devices [5, 2006.01]  
17/024 • • with constant liquid flow [4, 2006.01]  
17/028 • • with intermittent liquid flow [4, 2006.01]  
17/032 • • using pressurised tap-water [4, 2006.01]  
17/06 • Saliva removers; Accessories therefor [5, 2006.01]  
17/08 • • Aspiration nozzles [5, 2006.01]  
17/10 • • with mouth props, tongue guards, tongue depressors or cheek spreaders [5, 2006.01]  
17/12 • • Control devices, e.g. for suction [5, 2006.01]  
17/14 • Dental appliances for receiving spittle, with or without rinsing means therefor, e.g. dental basins, spittoons, cuspidors [5, 2006.01]

- 17/16 • Power-driven cleaning or polishing devices [5, 2006.01]  
17/18 • • Chiselling scalers (A61C 17/20 takes precedence) [5, 2006.01]  
17/20 • • using ultrasonics [5, 2006.01]  
17/22 • • with brushes, cushions, cups or the like (brush bodies, e.g. arrangements of the bristles, A46B) [5, 2006.01]  
17/24 • • • rotating continuously (A61C 17/40 takes precedence) [5, 2006.01]  
17/26 • • • driven by electric motor [5, 2006.01]  
17/28 • • • • with rinsing means [5, 2006.01]  
17/30 • • • driven by hydraulic motor, e.g. water motor [5, 2006.01]  
17/32 • • • reciprocating or oscillating [5, 2006.01]  
17/34 • • • driven by electric motor [5, 2006.01]  
17/36 • • • • with rinsing means [5, 2006.01]  
17/38 • • • driven by hydraulic motor, e.g. water motor [5, 2006.01]  
17/40 • • • orbiting, e.g. nutating [5, 2006.01]

##### **19/00 Dental auxiliary appliances (dental chairs or accessories therefor, working stands whether or not combined with chairs A61G 15/00) [1, 2006.01]**

- 19/02 • Protective casings, e.g. boxes for instruments; Bags [1, 2006.01]  
19/04 • Measuring instruments specially adapted for dentistry (radiation diagnosis A61B 6/14) [1, 2006.01]  
19/045 • • for recording mandibular movement, e.g. face bows [5, 2006.01]  
19/05 • • for determining occlusion [5, 2006.01]  
19/055 • • Paralleling devices [5, 2006.01]  
19/06 • Implements for therapeutic treatment (radiation therapy A61N 5/00) [1, 2006.01]  
19/08 • • combined with anaesthetising implements (dental hypodermic syringes A61M 5/00) [1, 2006.01]  
19/10 • Supports for artificial teeth for transport or for comparison of the colour [1, 2006.01]