CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

HEALTH; AMUSEMENT

A61  MEDICAL OR VETERINARY SCIENCE; HYGIENE

A61C  DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE

(Warnings)

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

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2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

### Dental surgery

| 1/00 Dental machines for boring or cutting | 1/007 . . [Control devices or systems (fluid temperature control in air and water supply systems of dental machines or apparatus A61C 1/0069) ] |
| 1/0007 . . {Control devices or systems (fluid temperature control in air and water supply systems of dental machines or apparatus A61C 1/0069) } |
| 1/0015 . . {Electrical systems} |
| 1/0023 . . {Foot control} |
| 1/003 . . {Control of rotation of instrument} |
| 1/0038 . . {Pneumatic systems} |
| 1/0046 . . {Dental lasers (surgical lasers A61B 18/20; working by laser beam in general B23K 26/00; lasers per se H01S 3/00) } |
| 1/0053 . . {Portable units} |
| 1/0061 . . {Air and water supply systems; Valves specially adapted therefore (A61C 1/052 takes precedence; rinsing or air-blowing devices A61C 17/02) } |
| 1/0069 . . {Fluid temperature control} |
| 1/0076 . . [Sterilising operating fluids or fluid supply elements such as supply lines, filters (sterilisation of liquid substances in general A61L 2/18) ] |
| 1/0084 . . {Supply units, e.g. reservoir arrangements, specially adapted pumps} |
| 1/0092 . . {Pumps specially adapted therefor} |
| 1/02 . . characterised by the drive of the dental tools |
| 1/04 . . with treadle or manual drive |
| 1/05 . . with turbine drive |
| 1/052 . . {Ducts for supplying driving or cooling fluid, e.g. air, water} |
| 1/055 . . . . {through the working tool, e.g. hollow burr} |
| 1/057 . . . . {with means for preventing suction effect in turbine after deactivation of the drive air} |
| 1/06 . . with electric drive |
| 1/07 . . with vibratory drive, e.g. ultrasonic |
| 1/08 . . Machine parts specially adapted for dentistry |
| 1/081 . . {Pain-alleviating features} |
| 1/082 . . {Positioning or guiding, e.g. of drills} |
| 1/084 . . . . {of implanting tools} |
| 1/085 . . . . {for multiple drills, for simultaneous drilling} |
Dental surgery

1/087 . . [Supplying powder or medicines]
1/088 . . [Illuminating devices or attachments (for examination of the mouth A61B 1/24 and A61B 1/06)]
1/10 . . Straight hand-pieces
1/12 . . Angle hand-pieces
1/14 . . Tool-holders, i.e. operating tool holders, e.g. burr holders
1/141 . . . [in an angled handpiece]
1/142 . . . [Operating tool blocking means]
1/144 . . . . [Constricting the operating tool, e.g. chuck]
1/145 . . . [Instruments or accessories for tool holders]
1/147 . . . [in a straight handpiece]
1/148 . . . [Non-rotating tool holders, e.g. vibrating, oscillating, nutating]
1/16 . . . Flexible shafts; Clutches or the like; [Bearings or lubricating arrangements; Drives or transmissions] (flexible shafts in general F16C; clutches in general F16D)
1/181 . . . [Bearings or lubricating arrangements, e.g. air-cushion bearings]
1/183 . . . . [Jewel bearings]
1/185 . . . . [Drives or transmissions]
1/186 . . . . . [with torque adjusting or limiting means]
1/188 . . . . . [Means for allowing non driven rotation of the tool relative to the handle, e.g. tool swivel]

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)
3/005 . . [Brushes for applying dental compositions]
3/02 . . Tooth drilling or cutting instruments; Instruments acting like a sandblast machine
3/025 . . . Instruments acting like a sandblast machine, e.g. for cleaning, polishing or cutting teeth
3/03 . . . Instruments operated by vibration

WARNING
Group A61C 3/03 is impacted by reclassification into groups A61C 17/18 and A61C 17/20.
Groups A61C 3/03, A61C 17/18 and A61C 17/20 should be considered in order to perform a complete search.

3/04 . . . . . . Supports for holding tooth drills in order of use
3/06 . . . . . . Tooth grinding or polishing discs; Holders therefor ([prophylactic cups A61C 17/005])
3/08 . . . . . . Tooth pluggers or hammers
3/10 . . . . . . Tooth pinces or the like
3/12 . . . . . . Tooth saws
3/14 . . . . . . Dentists' forceps or the like for extracting teeth
3/16 . . . . . . Dentists' forceps or clamps for removing crowns
3/162 . . . . . . [acting by leverage]
3/164 . . . . . . [acting by percussion]
3/166 . . . . . . [acting by vibration]
3/168 . . . . . . [with wires]

5/00 Filling or capping teeth

WARNING
Group A61C 5/00 is impacted by reclassification into group A61C 5/30.
Groups A61C 5/00 and A61C 5/30 should be considered in order to perform a complete search.

5/007 . . . [Dental splints; teeth or jaw immobilisation devices; stabilizing retainers bonded to teeth after orthodontic treatments]

WARNING
Group A61C 5/007 is impacted by reclassification into group A61C 5/30.
Groups A61C 5/007 and A61C 5/30 should be considered in order to perform a complete search.

5/20 . . Repairing attrition damage, e.g. facets
5/30 . . Securing inlays, onlays or crowns

WARNING
Group A61C 5/30 is incomplete pending reclassification of documents from groups A61C 5/00, A61C 5/007, A61C 5/70 and A61C 13/225.
All groups listed in this warning should be considered in order to perform a complete search.

5/35 . . . . . . Pins; Mounting tools or dispensers therefor

WARNING
Group A61C 5/35 is incomplete pending reclassification of documents from group A61C 5/70.
Groups A61C 5/70 and A61C 5/35 should be considered in order to perform a complete search.

5/40 . . . . . . Implements for surgical treatment of the roots or nerves of the teeth; Nerve needles; Methods or instruments for medication of the roots
5/42 . . . . . . . Files for root canals; Handgrips or guiding means therefor
5/44 . . . . . . . Means for controlling working depth, e.g. supports or boxes with depth-gauging means, stop positioners or files with adjustably-mounted handles
5/46 . . . . . . . Nerve extractors, e.g. needles; Means for removing broken parts of endodontic instruments
5/48 . . . . . . . Means for preventing loss of endodontic instruments during treatment
5/50 . . . . . . . Implements for filling root canals; Methods or instruments for medication of tooth nerve channels
5/55 . . . . . . with heating means, e.g. for heating gutta percha

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Dental surgery

5/60 . Devices specially adapted for pressing or mixing capping or filling materials, e.g. amalgam presses

**WARNING**
Group A61C 5/60 is incomplete pending reclassification of documents from group A61C 19/060.

Groups A61C 19/060 and A61C 5/60 should be considered in order to perform a complete search.

5/62 . . Applicators, e.g. syringes or guns
5/64 . . . for multi-component compositions
5/66 . . Capsules for filling material
5/68 . . Mixing dental material components for immediate application to a site to be restored, e.g. a tooth cavity
5/70 . Tooth crowns; Making thereof

**WARNING**
Group A61C 5/70 is impacted by reclassification into groups A61C 5/30, A61C 5/35 and A61C 5/73.

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

5/73 . . Composite crowns

**WARNING**
Group A61C 5/73 is incomplete pending reclassification of documents from group A61C 13/0004.

Groups A61C 13/0004 and A61C 5/73 should be considered in order to perform a complete search.

5/77 . . Methods or devices for making crowns

**WARNING**
Group A61C 5/77 is incomplete pending reclassification of documents from group A61C 13/0004.

Groups A61C 13/0004 and A61C 5/77 should be considered in order to perform a complete search.

5/80 . . Dental aids fixed to teeth during treatment, e.g. tooth clamps
5/82 . . Dams; Holders or clamps therefor
5/85 . . Filling bands, e.g. matrix bands; Manipulating tools therefor
5/88 . . Wedges
5/90 . Oral protectors for use during treatment, e.g. lip or mouth protectors (A61C 5/82 takes precedence)

7/00 Orthodontics, i.e. obtaining or maintaining the desired position of teeth, e.g. by straightening, evening, regulating, separating, or by correcting malocclusions

7/002 . . [Orthodontic computer assisted systems]
2007/004 . . . [Automatic construction of a set of axes for a tooth or a plurality of teeth]
7/006 . . (using magnetic force)
7/008 . . (using vibrating means)

7/02 . . Tools for manipulating or working with an orthodontic appliance {tools for placement of brackets A61C 7/146; instruments for attaching elastic bands A61C 7/306}
7/023 . . {for debonding or removing orthodontic devices}
7/026 . . {for twisting orthodontic ligature wires}
7/04 . . plier-type, {e.g. pincers}
7/06 . . Extra-oral force transmitting means, i.e. means worn externally of the mouth and placing a member in the mouth under tension
7/065 . . . {with a chin cup}
7/08 . . Mouthpiece-type retainers {or positioners, e.g. for both the lower and upper arch (arch-shaped medicament applicators for teeth or gums A61C 19/063; mouthguards for protecting the teeth of sportsmen A63B 71/085)}
7/10 . Devices having means to apply outwardly directed force, e.g. expanders
7/12 . . Brackets; Arch wires; Combinations thereof; Accessories therefor
7/125 . . . {Mouth tissue protecting means; Combinations thereof; Accessories therefor}
7/14 . . Brackets (A61C 7/28 takes precedence); Fixing brackets to teeth
7/141 . . . {Brackets with reinforcing structure, e.g. inserts}
7/143 . . . {Brackets with two or more recesses for arch wires}
7/145 . . . . {Lingual brackets}
7/146 . . . . {Positioning or placement of brackets; Tools therefor}
7/148 . . . . . {with occlusal or gingival archwire slot opening (A61C 7/145 takes precedence)}
7/16 . . . specially adapted to be cemented to teeth
7/18 . . . specially adapted to be fixed to teeth with a band; Bands therefor
7/20 . . Arch wires (A61C 7/28 takes precedence)
7/22 . . . Tension adjusting means
7/28 . . Securing arch wire to bracket
7/282 . . . {Buccal tubes}
7/285 . . . . {Locking by rotation}
7/287 . . . . . {Sliding locks}
7/30 . . . by resilient means; {Dispensers therefor}
7/303 . . . . . {Elastic bands}
7/306 . . . . . . {Dispensers or attachment instruments therefor}
7/34 . . . . using lock pins
7/36 . . . Devices acting between upper and lower teeth

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)
8/0001 . . . {Impression means for implants, e.g. impression coping}
8/0003 . . . . [Not used, see subgroups]
8/0004 . . . . {Consolidating natural teeth}
8/0006 . . . . . {Periodontal tissue or bone regeneration (support means for endoprosthetic bone substitute or bone graft implants A61F 2/2846)}
8/0007 . . . . . . {Stimulation of growth around implant by electrical means}
Dental surgery

8/009 \(\ldots\) (Consolidating prostheses or implants, e.g. by means of stabilising pins (A61C 8/0031 takes precedence))

8/001 \(\ldots\) (Multiple implanting technique, i.e. multiple component implants introduced in the jaw from different directions)

8/0012 \(\ldots\) (characterised by the material or composition, e.g. ceramics, surface layer, metal alloy (use of specific materials A61K 6/00))

8/0013 \(\ldots\) (with a surface layer, coating)

8/0015 \(\ldots\) (being a conversion layer, e.g. oxide layer)

8/0016 \(\ldots\) (polymeric material)

8/0018 \(\ldots\) (characterised by the shape)

8/0019 \(\ldots\) (Blade implants)

8/0021 \(\ldots\) (with self-incising cutting edge)

8/0022 \(\ldots\) (Self-screwing (A61C 8/0028 takes precedence))

8/0024 \(\ldots\) (with self-boring cutting edge)

8/0025 \(\ldots\) (with multiple threads)

8/0027 \(\ldots\) (Frames)

8/0028 \(\ldots\) (Pins, needles; Head structures therefor (A61C 8/0004, A61C 8/0009 take precedence))

8/003 \(\ldots\) (Transmandibular implants)

8/0031 \(\ldots\) (Juxtaosseous implants, i.e. implants lying over the outer surface of the jaw bone)

8/0033 \(\ldots\) (Expandable implants; Implants with extendable elements)

8/0034 \(\ldots\) (Long implant, e.g. zygomatic implant)

8/0036 \(\ldots\) (Tooth replica)

8/0037 \(\ldots\) (Details of the shape)

8/0039 \(\ldots\) (in the form of hollow cylinder with an open bottom)

8/004 \(\ldots\) (inflatable)

8/0042 \(\ldots\) (consisting of two halves)

8/0043 \(\ldots\) (having more than one root)

8/0045 \(\ldots\) (with a stepped body)

2008/0046 \(\ldots\) (Textured surface, e.g. roughness, microstructure (A61C 8/0013 takes precedence))

8/0048 \(\ldots\) (Connecting the upper structure to the implant, e.g. bridging bars (A61C 8/0028 takes precedence))

8/005 \(\ldots\) (Connecting devices for joining an upper structure with an implant member, e.g. spacers)

8/0051 \(\ldots\) (Abutment monobloc with restoration)

8/0053 \(\ldots\) (with angular adjustment means, e.g. ball and socket joint)

8/0054 \(\ldots\) (having a cylindrical implant connecting part)

8/0056 \(\ldots\) (diverging in the apical direction of the implant or abutment)

8/0057 \(\ldots\) (with elastic means)

8/0059 \(\ldots\) (with additional friction enhancing means)

8/006 \(\ldots\) (with polygonal positional means, e.g. hexagonal or octagonal)

8/0062 \(\ldots\) (Catch or snap type connection)

8/0063 \(\ldots\) (with an internal sleeve)

8/0065 \(\ldots\) (with expandable or compressible means)

8/0066 \(\ldots\) (with positioning means (A61C 8/006 takes precedence))

8/0068 \(\ldots\) (with an additional screw)

8/0069 \(\ldots\) (tapered or conical connection)

8/0071 \(\ldots\) (with a self-locking taper, e.g. morse taper)

8/0072 \(\ldots\) (including male and female conical parts with different angles)

8/0074 \(\ldots\) (with external threads)

8/0075 \(\ldots\) (Implant heads specially designed for receiving an upper structure (if separable from the implant A61C 8/005))

8/0077 \(\ldots\) (with shape following the gingival surface or the bone surface)

8/0078 \(\ldots\) (with platform switching, i.e. platform between implant and abutment)

8/008 \(\ldots\) (Healing caps or the like)

8/0081 \(\ldots\) (Magnetic dental implant retention systems)

8/0083 \(\ldots\) (Intra-gingival inserts)

2008/0084 \(\ldots\) (Provisional implants or abutments)

8/0086 \(\ldots\) (with shock absorbing means)

8/0087 \(\ldots\) (Means for sterile storage or manipulation of dental implants)

8/0089 \(\ldots\) (Implanting tools or instruments)

8/009 \(\ldots\) (for selecting the right implanting element, e.g. templates)

8/0092 \(\ldots\) (for sinus lifting)

8/0093 \(\ldots\) (Features of implants not otherwise provided for)

8/0095 \(\ldots\) (Total denture implant)

8/0096 \(\ldots\) (Implants for use in orthodontic treatment)

8/0098 \(\ldots\) (Immediate loaded implants)

**Dental prosthetics: Artificial teeth (preparations for dentistry A61K 6/00)**

9/00 \(\ldots\) (Impression cups, [i.e. impression trays]; Impression methods ([computer-assisted sizing A61C 13/0003; instruments for determining occlusion A61C 19/005])

9/0006 \(\ldots\) (Impression trays)

9/0013 \(\ldots\) (Inflatable trays)

9/002 \(\ldots\) (Means or methods for correctly replacing a dental model, e.g. dowel pins; Dowel pin positioning means or methods)

9/0026 \(\ldots\) (Syringes or guns for injecting impression material; Mixing impression material for immediate use)

9/0033 \(\ldots\) (Gingival retraction appliances)

9/004 \(\ldots\) (Means or methods for taking digitized impressions)

9/0046 \(\ldots\) (Data acquisition means or methods)

9/0053 \(\ldots\) (Optical means or methods, e.g. scanning the teeth by a laser or light beam)

9/006 \(\ldots\) (projecting one or more stripes or patterns on the teeth)

9/0066 \(\ldots\) (Depth determination through adaptive focusing)

9/0073 \(\ldots\) (Interferometric means or methods, e.g. creation of a hologram)

9/008 \(\ldots\) (Mechanical means or methods, e.g. a contact probe moving over the teeth)

9/0086 \(\ldots\) (Acoustic means or methods)

9/0093 \(\ldots\) (Workpiece support)

11/00 \(\ldots\) (Dental articulators, i.e. for simulating movement of the temporo-mandibular joints: Articulation forms or mouldings)

11/001 \(\ldots\) (non-pivoting)

11/003 \(\ldots\) (with height adjustments thereof)

11/005 \(\ldots\) (with tracing devices)

11/006 \(\ldots\) (with an occlusal plate)

11/008 \(\ldots\) (made of wires)

11/02 \(\ldots\) (characterised by the arrangement, location or type of the hinge means (% Articulators with pivots)
Dental prosthetics; Artificial teeth

13/00

Dental prostheses; Making same (tooth crowns for capping teeth A61C 5/70; dental implants A61C 8/00)

13/0001 . [In-situ dentures; Trial or temporary dentures]
13/0003 . [Making bridge-work, inlays, implants or the like]
13/0004 . [Computer-assisted sizing or machining of dental prostheses]

**WARNING**

Group A61C 13/0004 is impacted by reclassification into group A61C 5/77.

Groups A61C 13/0004 and A61C 5/77 should be considered in order to perform a complete search.

13/0006 . [Production methods]
13/0007 . [using sand blasting]
13/0009 . [using a copying machine]
13/0011 . [Electrophoresis coating]
13/0012 . [Electrolytic coating]
13/0013 . [using stereolithographic techniques]
13/0015 . [using electrical discharge machining [EDM], e.g. spark erosion]
13/0016 . [using ultrasonic or sonic machining process]
13/0018 . [using laser]
13/0019 . [using three dimensional printing]
13/0021 . [using stamping techniques]
13/0022 . [Blanks or green, unfinished dental restoration parts]
13/0024 . [Repairing or adjusting dentures; Location of irritating zones]
13/0025 . [Linings]
13/0027 . [Base for holding castings]
13/0028 . [Instruments or appliances for wax-shaping or wax-removing]
13/01 . [Palates or other bases or supports for the artificial teeth; Making same]
13/02 . [made by galvanoplastic methods or by plating; Surface treatment; Enamelling; Perfuming; Making antisepctic]
13/04 . [made by casting]
13/06 . [made by punching]
13/08 . [Artificial teeth; Making same (kilns for artificial teeth F27B)]
13/081 . [Making teeth by casting or moulding]
13/082 . [Cosmetic aspects, e.g. inlays; Determination of the colour A61C 19/10 takes precedence]
13/083 . [Porcelain or ceramic teeth (A61C 13/081 takes precedence; preparations A61K 6/80)]
13/0835 . [Ceramic coating on metallic body]

13/087 . [Artificial resin teeth (A61C 13/081 takes precedence; preparations A61K 6/80)]
13/089 . [Composite teeth, e.g. front and back section (A61C 13/0835, A61C 13/1023 takes precedence); Multilayer teeth]
13/097 . [characterised by occlusal profiles, i.e. chewing contact surfaces]
13/10 . [Fastening of artificial teeth to denture palates or the like (A61C 8/0048 takes precedence)]
13/1003 . [by embedding in base material]
13/1006 . [characterised by a tooth shape which improves retention]
13/1009 . [Anchorage members, e.g. pins or bars; Means or methods for affixing pins to porcelain teeth]
13/1013 . [Arch forms]
13/1016 . [Methods or apparatus for mounting, holding or positioning a set of teeth]
13/102 . [to be fixed to a frame]
13/1023 . [Facing and backing]
13/1026 . [Shock absorbers]
13/12 . [Tools for fastening artificial teeth; Holders, clamps, or stands for artificial teeth (A61C 8/0089 takes precedence)]
13/14 . [Vulcanising devices for artificial teeth (A61C 8/0081); apparatus for curing, e.g. vulcanising, of plastics or substances in a plastic state, in general B29C 35/00)]
13/16 . [Curing flasks; Holders therefor]
13/18 . [Presses for flasks]
13/20 . [Methods or devices for soldering, casting, moulding or melting (A61C 13/04, A61C 13/081 take precedence)]
13/203 . [using microwave energy]
13/206 . [Injection moulding]
13/225 . [Fastening prostheses in the mouth (securing tooth crowns in capping teeth A61C 5/30)]

**WARNING**

Group A61C 13/225 is impacted by reclassification into group A61C 5/30.

Groups A61C 13/225 and A61C 5/30 should be considered in order to perform a complete search.

13/2255 . [Frames for partial dentures; Lingual bars]
13/235 . [Magnetic fastening (A61C 8/0081 takes precedence); magnetic implants A61C 8/00)]
13/24 . [Fastening by suction, i.e. total dentures (A61C 8/00, A61C 13/25, A61C 13/28 take precedence)]
13/245 . [Vacuum enhancing devices, e.g. valves]
13/25 . [including valve or air passageway leading from suction area to lingual cavity]
13/26 . [Dentures without palates; Partial dentures, e.g. bridges]
13/265 . [Sliding or snap attachments]
13/2653 . [Sliding attachments]
13/2656 . [Snap attachments]
13/267 . [Clasp fastening]
13/273 . [removably secured to residual teeth by using bolts or locks]
13/275 . [removably secured by using bridging bars or rails between residual teeth]

13/2753 . [characterised by the shape of the bridging bar]
Tooth-cleaning or mouth-rinsing devices, (non-driven toothbrushes A61B: [tongue scrapers A61B 17/24:] preparations for cleaning the teeth or mouth A61K 8/00, A61Q 11/00)

15/00 Devices for cleaning between the teeth
15/02 . Toothpicks
15/04 . Dental floss; Floss holders
15/042 . [Dental floss (chemical aspects A61Q 11/00)]
15/043 . [comprising protuberances along its length, e.g. balls or knots]
15/045 . [Threading or knotting devices]
15/046 . [Flossing tools]
15/047 . [power-driven]
15/048 . [with heads removable from handle, e.g. interchangeable heads]

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 15/000; Saliva removers; Dental appliances for receiving spittle

**NOTE**

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.

17/005 . [Devices for dental prophylaxis]
17/02 . Rinsing or air-blowing devices, e.g. using fluid jets (or comprising liquid medication) (combined with receptacles for spittle A61C 17/14; combined with power-driven cleaning or polishing devices A61C 17/16)

**WARNING**

Group A61C 17/02 is impacted by reclassification into groups A61C 17/024 and A61C 17/14.

Groups A61C 17/02, A61C 17/024 and A61C 17/14 should be considered in order to perform a complete search.

17/0202 . [Hand-pieces]
17/0205 . [Container filling apparatus]
17/0208 . [combined with means providing suction (A61C 17/0211 takes precedence)]
Tooth-cleaning or mouth-rinsing devices

17/065. . . [characterised by provisions for processing the collected matter, e.g. for separating solids or air]
17/08. . . Aspiration nozzles
17/084. . . [with light sources]
17/088. . . [with mirrors]
17/092. . . [with tips having features to prevent suction of soft tissues]
17/096. . . [Bendable saliva removers]
17/10. . . with mouth props, tongue guards, tongue depressors or cheek spreaders
17/12. . . Control devices, e.g. for suction
17/125. . . [with backflow prevention, e.g. check valves]
17/13. . . [with manually operated valves]
17/135. . . [with self-cleaning or self-disinfecting means]
17/14. . . Dental appliances for receiving spittle, with or without rinsing means therefor, e.g. dental basins, spittoons, cuspidors

**WARNING**

Group A61C 17/14 is incomplete pending reclassification of documents from groups A61C 17/02 and A61C 17/04. Groups A61C 17/14, A61C 17/02, and A61C 17/04 should be considered in order to perform a complete search.

17/16. . . Power-driven cleaning or polishing devices
17/18. . . Chiselling scalers (A61C 17/20 takes precedence)

**WARNING**

Group A61C 17/18 is incomplete pending reclassification of documents from group A61C 3/03.

Groups A61C 3/03 and A61C 17/18 should be considered in order to perform a complete search.

17/20. . . using ultrasonics

**WARNING**

Group A61C 17/20 is incomplete pending reclassification of documents from group A61C 3/03.

Groups A61C 3/03 and A61C 17/20 should be considered in order to perform a complete search.

17/22. . . with brushes, cushions, cups, or the like (brush bodies, e.g. arrangements of the bristles A46B)
17/221. . . [Control arrangements therefor]
17/222. . . [Brush body details, e.g. the shape thereof or connection to handle]
17/224. . . [Electrical recharging arrangements]
17/225. . . [Handles or details thereof]
17/227. . . [with reservoirs, e.g. for toothpaste]
17/228. . . [Self-contained intraoral toothbrush, e.g. mouth-guard toothbrush without handle]
17/24. . . rotating continuously (A61C 17/40 takes precedence)
17/26. . . driven by electric motor
17/28. . . . . . [with rinsing means]
17/30. . . driven by hydraulic motor, e.g. water motor
17/32. . . . . . reciprocating or oscillating
17/34. . . . . . driven by electric motor

17/3409. . . . [characterized by the movement of the brush body]
17/3418. . . . [Rotation around the axis of the toothbrush handle]
17/3427. . . . [Rotation around the axis perpendicular to the axis of toothbrush handle and in the plane defined by the bristle holder]
17/3436. . . . [Rotation around the axis perpendicular to the plane defined by the bristle holder]
17/3445. . . . [Translation along the axis of the toothbrush handle]
17/3454. . . . [Translation along the axis perpendicular of the axis of toothbrush handle and in the plane defined by the bristle holder]
17/3463. . . . [Translation along the axis perpendicular to the plane defined by the bristle holder]
17/3472. . . . [with combined movements of the brush body]
17/3481. . . . [Vibrating brush body, e.g. by using eccentric weights]
17/349. . . . . [with multiple brush bodies]
17/36. . . . . . with rinsing means
17/38. . . . . . driven by hydraulic motor, e.g. water motor
17/40. . . . . orbiting, e.g. nutating

19/00 Dental auxiliary appliances (dental chairs or accessories therefor, working stands whether or not combined with chairs A61G 15/00)
19/001. . . [Holders for absorbent pads (absorbent pads per se A61F 13/00)]
19/002. . . [Cleaning devices specially adapted for dental instruments (disinfecting A61L 2000; cleaning in general B08B)]
19/003. . . [Apparatus for curing resins by radiation]
19/004. . . [Hand-held apparatus, e.g. guns]
19/005. . . [Devices for the manual mixing of small quantities of materials, e.g. trays for mixing dental porcelain]

**WARNING**

Group A61C 19/005 is impacted by reclassification into group A61C 5/60. Groups A61C 19/005 and A61C 5/60 should be considered in order to perform a complete search.

19/006. . . [Finger- or hand-supported dental trays]
19/007. . . [Dust removing devices on working places in dental laboratories, e.g. working by suction (preventing escape of dirt B08B 15/00)]
19/008. . . [Devices for displaying or storing lost natural teeth, e.g. boxes]
19/02. . . [Protective casings, e.g. boxes for instruments; Bags (A61C 5/44 takes precedence)]
19/04. . . [Measuring instruments specially adapted for dentistry (A61C 5/44 takes precedence; testing vitality of teeth A61B 5/0534; ) radiation diagnosis A61B 6/00)]
19/041. . . [for measuring the length of the root canal of a tooth]
19/042. . . [for determining the position of a root apex]
A61C

19/043  .  .  {Depth measuring of periodontal pockets; Probes therefor}
19/045  .  .  for recording mandibular movement, e.g. face bows
19/05  .  .  for determining occlusion
19/052  .  .  .  {with tracing appliances}
19/055  .  .  Paralleling devices
19/06  .  .  Implements for therapeutic treatment (radiation therapy A61N 5/00)
19/063  .  .  {Medicament applicators for teeth or gums, e.g. treatment with fluorides}
19/066  .  .  .  {Bleaching devices; Whitening agent applicators for teeth, e.g. trays or strips}
19/08  .  .  combined with anaesthetising implements (dental hypodermic syringes A61M 5/00)
19/10  .  .  Supports for artificial teeth for transport or for comparison of the colour

2201/00  Material properties
2201/002  .  using colour effect, e.g. for identification purposes
2201/005  .  using radio-opaque means
2201/007  .  using shape memory effect

Dental surgery

2202/00  Packaging for dental appliances
2202/01  .  Packaging for light-curable material
2202/02  .  Packaging for volatile material

2203/00  Means for making patients feel at ease during dental treatment, e.g. dental instruments in the form of toys

2204/00  Features not otherwise provided for
2204/002  .  using batteries
2204/005  .  using chip tag or any electronic identification mean, e.g. RFID
2204/007  .  using wear indicators