A61C  DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE

(non-driven toothbrushes A46B; {tongue scrapers A61B 17/24;} preparations for dentistry A61K 6/00; preparations for cleaning the teeth or mouth A61K 8/00, A61Q 11/00)

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

1/087 . . [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. toolswivel]

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 pincesses 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

5/007 . . . [Dental splints; teeth or jaw immobilisation devices; stabilizing retainers bonded to teeth after orthodontic treatments]
5/20 . . . Repairing attrition damage, e.g. facets

5/30 . . . . . Securing inlays, onlays or crowns
5/35 . . . . . Pins; Mounting tools or dispensers therefor
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
5/60 . . . . . Devices specially adapted for pressing or mixing capping or filling materials, e.g. amalgam presses
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
5/73 . . . . . Composite crowns
5/77 . . . . . Methods or devices for making crowns
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]

20/007/004 . . . [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-orifice 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)}
Dental surgery

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 7/28 takes precedence)

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]
8/0009 . . . [Consolidating prostheses or implants, e.g. by means of stabilising pins (A61C 8/0031 takes precedence)]
8/001 . . . [Multiple implanting technique, i.e. multiple component implants introduced in the jaw from different directions]
8/0012 . . . [characterised by the material or composition, e.g. ceramics, surface layer, metal alloy (use of specific materials A61K 6/00)]
8/0013 . . . [with a surface layer, coating]
8/0015 . . . [being a conversion layer, e.g. oxide layer]
8/0016 . . . [polymeric material]
8/0018 . . . [characterised by the shape]
8/0019 . . . [Blade implants]
8/0021 . . . [with self-incising cutting edge]
8/0022 . . . [Self-screwing (A61C 8/0028 takes precedence)]
8/0024 . . . [with self-boring cutting edge]
Dental prosthetics: Artificial teeth

(preparations for dentistry A61K 6/00)

9/00 Impression cups, i.e. impression trays;
Impression methods (computer-assisted sizing A61C 13/0004; instruments for determining occlusion A61C 19/015)

9/0006 . . . [Impression trays]
9/0013 . . . [Inflatable trays]
9/002 . . . [Means or methods for correctly replacing a dental model, e.g. dowel pins; Dowel pin positioning means or methods]
9/0026 . . . [Syringes or guns for injecting impression material; Mixing impression material for immediate use]
9/0033 . . . [Gingival retraction appliances]
9/004 . . . [Means or methods for taking digitized impressions]
9/0046 . . . [Data acquisition means or methods]
9/0053 . . . [Optical means or methods, e.g. scanning the teeth by a laser or light beam]
9/006 . . . . . . [projecting one or more stripes or patterns on the teeth]
9/0066 . . . . . . [Depth determination through adaptive focusing]
9/0073 . . . . . . [Interferometric means or methods, e.g. creation of a hologram]
9/008 . . . . . . [Mechanical means or methods, e.g. a contact probe moving over the teeth]
9/0086 . . . . . . [Acoustic means or methods]
9/0093 . . . . [Workpiece support]

11/00 Dental articulators, i.e. for simulating movement of the temporo-mandibular joints; Articulation forms or mouldings

11/001 . . . (non-pivoting)
11/003 . . . [with height adjustments thereof]
11/005 . . . [with tracing devices]
11/006 . . . [with an occlusal plate]
11/008 . . . [made of wires]
11/02 . . . characterised by the arrangement, location or type of the hinge means; Articulators with pivots
11/022 . . . . . . [with two adjustable pivoting points, e.g. Argon-type articulators]
11/025 . . . . . . [with a pivotable lower part, i.e. mandibule motion simulator]
11/027 . . . . . . [with a hinge made of resilient material]
11/06 . . . with incisal guide
11/08 . . . with means to secure dental casts to articulator
11/081 . . . . . . [with adjusting means thereof]
11/082 . . . [for rectilinear adjustment]
11/084 . . . . . . [for 3D adjustment, e.g. Ball-and-socket]
11/085 . . . . . . [Intermediary adjustment plates]
11/087 . . . . . . [using magnets]
11/088 . . . . . . [using screws]

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]
13/14 . . . Vulcanising devices for artificial teeth (\{by radiation A61C 19/003\}; 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 13/08\} 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)

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 13/235, 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\}

2013/2753 . . . \{characterised by the shape of the bridging bar\}

2013/2756 . . . \{having a Y-shaped cross-section\}

13/277 . . . Telescopic anchoring \{i.e. using spring biased detens\}

13/28 . . . Fastening by spring action between upper and lower denture

13/30 . . . Fastening of peg-teeth in the mouth

13/34 . . . \{Making or working of models, e.g. preliminary castings, trial dentures; Dowel pins [4]\}

**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\}

15/041 . . . \{Dental floss (chemical aspects A61Q 11/00)\}

15/042 . . . \{comprising protuberances along its length, e.g. balls or knots\}

15/043 . . . \{Containers, dispensers, or the like, e.g. with cutting means (A61C 15/046 takes precedence)\}

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\}

**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.

17/00 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

**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 17/021 is impacted by reclassification into groups A61C 17/0211 and A61C 17/028.

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

17/0217 . . . \{having means for manually controlling the supply of two or more fluids, e.g. water and air\}

17/022 . . . Air-blowing devices \{e.g. with means for heating the air\}

17/024 . . . \{with constant liquid flow\}

**WARNING**

Group A61C 17/024 is incomplete pending reclassification of documents from group A61C 17/02.

Groups A61C 17/02 and A61C 17/024 should be considered in order to perform a complete search.
Tooth-cleaning or mouth-rinsing devices

17/028 . . . with intermittent liquid flow

**WARNING**

Group A61C 17/028 is incomplete pending reclassification of documents from group A61C 17/0211. Groups A61C 17/0211 and A61C 17/028 should be considered in order to perform a complete search.

17/032 . . . using pressurised tap-water, e.g. rinsing devices specially adapted for being connected to the main water supply.

17/036 . . . Cleaning devices for dental prostheses removed from the oral cavity.

17/04 . . . [Spittoons or saliva removers for dental use]

**WARNING**

Group A61C 17/04 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups A61C 17/06, A61C 17/084, A61C 17/088, A61C 17/092, A61C 17/096, A61C 17/10, A61C 17/12, A61C 17/125, A61C 17/13, A61C 17/135, and A61C 17/14. All groups listed in this Warning should be considered in order to perform a complete search.

17/06 . . . Saliva removers; Accessories therefor

**WARNING**

Groups A61C 17/06, A61C 17/084, A61C 17/088, A61C 17/092, A61C 17/096, A61C 17/10, A61C 17/12, A61C 17/125, A61C 17/13, A61C 17/135, and A61C 17/14 are incomplete pending reclassification of documents from group A61C 17/04. These groups should be considered in order to perform a complete search.

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 17/20 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 . . . . . . driven 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]
Tooth-cleaning or mouth-rinsing devices

A61C

{Translation along the axis perpendicular of the axis of toothbrush handle and in the plane defined by the bristle holder}

A61C

17/3454 . . . . .

{Translation along the axis perpendicular to the plane defined by the bristle holder}

A61C

17/3463 . . . . .

{with combined movements of the brush body}

A61C

17/3472 . . . . .

{Vibrating brush body, e.g. by using eccentric weights}

A61C

17/3481 . . . . .

{with multiple brush bodies}

A61C

17/36 . . . . .

orbiting, e.g. nutating

A61C

17/40 . . . . .

driven by hydraulic motor, e.g. water motor

Dental auxiliary appliances (dental chairs or accessories therefor, working stands whether or not combined with chairs A61G 15/00)

A61C

19/00 . . . . .

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

A61C

19/01 . . . . .

[Holders for absorbent pads (absorbent pads per se A61F 13/00)]

A61C

19/02 . . . . .

[Cleaning devices specially adapted for dental instruments (disinfecting A61L 2/00; cleaning in general B08B)]

A61C

19/03 . . . . .

[Apparatus for curing resins by radiation]

A61C

19/04 . . . . .

[Hand-held apparatus, e.g. guns]

A61C

19/05 . . . . .

[Devices for the manual mixing of small quantities of materials, e.g. trays for mixing dental porcelain]

A61C

19/06 . . . . .

[Finger- or hand-supported dental trays]

A61C

19/07 . . . . .

[Dust removing devices on working places in dental laboratories, e.g. working by suction (preventing escape of dirt B08B 15/00)]

A61C

19/08 . . . . .

[Devices for displaying or storing lost natural teeth, e.g. boxes]

A61C

19/02 . . . . .

[Protective casings, e.g. boxes for instruments; Bags (A61C 5/44 takes precedence)]

A61C

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)]

A61C

19/01 . . . . .

[for measuring the length of the root canal of a tooth]

A61C

19/02 . . . . .

[for determining the position of a root apex]

A61C

19/03 . . . . .

[Depth measuring of periodontal pockets; Probes therefor]

A61C

19/04 . . . . .

[for recording mandibular movement, e.g. face bows]

A61C

19/05 . . . . .

[for determining occlusion]

A61C

19/02 . . . . .

[with tracing appliances]

A61C

19/05 . . . . .

[Paralleling devices]

A61C

19/06 . . . . .

[Implement for therapeutic treatment (radiation therapy A61N 5/00)]

A61C

19/06 . . . . .

[Medicament applicators for teeth or gums, e.g. treatment with fluorides]

A61C

19/06 . . . . .

[Bleaching devices; Whitening agent applicators for teeth, e.g. trays or strips]

A61C

19/08 . . . . .

[combined with anaesthetising implements (dental hypodermic syringes A61M 5/00)]

A61C

19/10 . . . . .

[Supports for artificial teeth for transport or for comparison of the colour]

Dental surgery

A61C

2202/00 Packing for dental appliances

A61C

2202/01 . . . . .

[Packaging for light-curable material]

A61C

2202/02 . . . . .

[Packaging for volatile material]

A61C

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

A61C

2204/00 Features not otherwise provided for

A61C

2204/00 . . . . .

[using batteries]

A61C

2204/00 . . . . .

[using chip tag or any electronic identification mean, e.g. RFID]

A61C

2204/00 . . . . .

[using wear indicators]

A61C

2201/00 Material properties

A61C

2201/002 . . . . .

[using colour effect, e.g. for identification purposes]

A61C

2201/005 . . . . .

[using radio-opaque means]

A61C

2201/007 . . . . .

[using shape memory effect]

A61C

CPC - 2020.05