### A61C  DENTISTRY; APPARATUS OR METHODS FOR ORAL OR DENTAL HYGIENE

**A61C** (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:
   - A61C 7/24  covered by A61C 7/20
   - A61C 7/26  covered by A61C 7/20
   - A61C 7/32  covered by A61C 7/20
   - A61C 8/00  covered by A61C 8/0004
   - A61C 11/04 covered by A61C 11/00
   - A61C 13/003 covered by A61C 13/26
   - A61C 13/007 covered by A61C 13/01
   - A61C 13/03  covered by A61C 13/01
   - A61C 13/07  covered by A61C 13/0025
   - A61C 13/093 covered by A61C 13/1006
   - A61C 13/103 covered by A61C 13/1009
   - A61C 13/105 covered by A61C 13/1009
   - A61C 13/107 covered by A61C 13/0001
   - A61C 13/113 covered by A61C 13/0001
   - A61C 13/15  covered by A61C 19/003
   - A61C 13/23  covered by A61C 13/0025
   - A61C 13/263 covered by A61C 13/225
   - A61C 13/271 covered by A61C 13/26
   - A61C 13/32  covered by A61C 13/225
   - A61C 13/36  covered by A61C 13/1016
   - A61C 13/38  covered by A61C 13/12

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

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Dental surgery

Dental surgery

<table>
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<tr>
<th>CPC</th>
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<td>A61C</td>
<td>Medical or dental appliances; instruments for dental treatment; artificial organs or parts thereof</td>
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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)

5/92 . Orthodontics, i.e. obtaining or maintaining the desired position of teeth, e.g. by straightening, evening, regulating, separating, or by correcting malocclusions

7/000 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 on 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)]
Dental surgery

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, e.g. bracket caps]
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]
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 19/05)
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. Argontype articulators]
11/025 ... [with a pivotable lower part, i.e. mandible motion simulator]
11/027 ... [with a hinge made of resilient material]
11/06 ... [with incisel 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]
Dental prosthetics; Artificial teeth

A61C

13/14 . . . Vulcanising devices for artificial teeth (by radiation A61C 19/0/03; 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)

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

13/2765 . . . [characterised by the shape of the bridging bar]

2013/2753 . . . [having a Y-shaped cross-section]

13/277 . . . Telescopic anchoring, i.e. using spring biased detents

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]

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]

17/002 . . . 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 17/211 takes precedence)]

17/0211 . . . [specially adapted for rinsing the teeth of at least one jaw simultaneously (A61C 17/20 takes precedence)]

WARNING

Group A61C 17/0211 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

A61C

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]

(Frozen)

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


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.

17/15 . . 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 by hydraulic 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

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 2/00; 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]

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]

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

2201/002 . . . 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

Material properties

Packing for dental appliances

Packaging for light-curable material

Packaging for volatile material

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

Features not otherwise provided for

using batteries

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

using wear indicators