

# 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 (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:

<a href="#">A61C 7/24</a>	covered by	<a href="#">A61C 7/20</a>
<a href="#">A61C 7/26</a>	covered by	<a href="#">A61C 7/20</a>
<a href="#">A61C 7/32</a>	covered by	<a href="#">A61C 7/28</a>
<a href="#">A61C 8/02</a>	covered by	<a href="#">A61C 8/0004</a>
<a href="#">A61C 11/04</a>	covered by	<a href="#">A61C 11/00</a>
<a href="#">A61C 13/003</a>	covered by	<a href="#">A61C 13/26</a>
<a href="#">A61C 13/007</a>	covered by	<a href="#">A61C 13/01</a>
<a href="#">A61C 13/03</a>	covered by	<a href="#">A61C 13/01</a>
<a href="#">A61C 13/07</a>	covered by	<a href="#">A61C 13/0025</a>
<a href="#">A61C 13/093</a>	covered by	<a href="#">A61C 13/1006</a>
<a href="#">A61C 13/103</a>	covered by	<a href="#">A61C 13/1009</a>
<a href="#">A61C 13/105</a>	covered by	<a href="#">A61C 13/1009</a>
<a href="#">A61C 13/107</a>	covered by	<a href="#">A61C 13/0001</a>
<a href="#">A61C 13/113</a>	covered by	<a href="#">A61C 13/0001</a>
<a href="#">A61C 13/15</a>	covered by	<a href="#">A61C 19/003</a>
<a href="#">A61C 13/23</a>	covered by	<a href="#">A61C 13/0025</a>
<a href="#">A61C 13/263</a>	covered by	<a href="#">A61C 13/225</a>
<a href="#">A61C 13/271</a>	covered by	<a href="#">A61C 13/26</a>
<a href="#">A61C 13/32</a>	covered by	<a href="#">A61C 13/225</a>
<a href="#">A61C 13/36</a>	covered by	<a href="#">A61C 13/1016</a>
<a href="#">A61C 13/38</a>	covered by	<a href="#">A61C 13/12</a>
<a href="#">A61C 17/024</a>	covered by	<a href="#">A61C 17/02</a>
<a href="#">A61C 17/032</a>	covered by	<a href="#">A61C 17/02</a>
<a href="#">A61C 17/06</a>	covered by	<a href="#">A61C 17/00</a>
<a href="#">A61C 17/08</a>	covered by	<a href="#">A61C 17/00</a>
<a href="#">A61C 17/10</a>	covered by	<a href="#">A61C 17/00</a>
<a href="#">A61C 17/12</a>	covered by	<a href="#">A61C 17/00</a>
<a href="#">A61C 17/18</a>	covered by	<a href="#">A61C 17/16</a>

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

<b>1/00</b>	<b>Dental machines for boring or cutting {; General features of dental machines or apparatus, e.g. hand-piece design}</b>	1/0053	. {Portable units}
1/0007	. {Control devices or systems (fluid temperature control in air and water supply systems of dental machines or apparatus <a href="#">A61C 1/0069</a> )}	1/0061	. {Air and water supply systems; Valves specially adapted therefor ( <a href="#">A61C 1/052</a> takes precedence; rinsing or air-blowing devices <a href="#">A61C 17/02</a> )}
1/0015	. . {Electrical systems}	1/0069	. . {Fluid temperature control}
1/0023	. . . {Foot control}	1/0076	. . {Sterilising operating fluids or fluid supply elements such as supply lines, filters (sterilisation of liquid substances in general <a href="#">A61L 2/18</a> )}
1/003	. . . {Control of rotation of instrument}	1/0084	. . {Supply units, e.g. reservoir arrangements, specially adapted pumps}
1/0038	. . {Pneumatic systems}	1/0092	. . . {Pumps specially adapted therefor}
1/0046	. {Dental lasers (surgical lasers <a href="#">A61B 18/20</a> ; working by laser beam in general <a href="#">B23K 26/00</a> ; lasers per se <a href="#">H01S 3/00</a> )}	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}
- 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 . . Protecting caps for hand-pieces or angle-pieces
- 1/18 . . 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
- 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 pincettes 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

- 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 19/005](#).
- Groups [A61C 19/005](#) 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 5/70](#).
- Groups [A61C 5/70](#) 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, 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}
  - 8/0025 . . . {with multiple threads}
  - 8/0027 . . {Frames}
  - 8/0028 . . {Pins, needles; Head structures therefor ([A61C 8/0004, A61C 8/0009 take precedence](#))}
  - 8/003 . . {Transmandibular implants}
  - 8/0031 . . {Juxtaosseous implants, i.e. implants lying over the outer surface of the jaw bone}
  - 8/0033 . . {Expandable implants; Implants with extendable elements}
  - 8/0034 . . {Long implant, e.g. zygomatic implant}
  - 8/0036 . . {Tooth replica}
  - 8/0037 . . {Details of the shape}
  - 8/0039 . . . {in the form of hollow cylinder with an open bottom}
  - 8/004 . . . {inflatable}
  - 8/0042 . . . {consisting of two halves}
  - 8/0043 . . . {having more than one root}
  - 8/0045 . . . {with a stepped body}
  - 2008/0046 . . . {Textured surface, e.g. roughness, microstructure ([A61C 8/0013 takes precedence](#))}
  - 8/0048 . {Connecting the upper structure to the implant, e.g. bridging bars ([A61C 8/0028 takes precedence](#))}
  - 8/005 . . {Connecting devices for joining an upper structure with an implant member, e.g. spacers}
  - 8/0051 . . . {Abutment monobloc with restoration}
  - 8/0053 . . . {with angular adjustment means, e.g. ball and socket joint}
  - 8/0054 . . . {having a cylindrical implant connecting part}
  - 8/0056 . . . {diverging in the apical direction of the implant or abutment}
  - 8/0057 . . . {with elastic means}
  - 8/0059 . . . {with additional friction enhancing means}
  - 8/006 . . . {with polygonal positional means, e.g. hexagonal or octagonal}
  - 8/0062 . . . {Catch or snap type connection}
  - 8/0063 . . . {with an internal sleeve}
  - 8/0065 . . . {with expandable or compressible means}
  - 8/0066 . . . {with positioning means ([A61C 8/006 takes precedence](#))}
  - 8/0068 . . . {with an additional screw}
  - 8/0069 . . . {tapered or conical connection}
  - 8/0071 . . . . {with a self-locking taper, e.g. morse taper}
  - 8/0072 . . . . {including male and female conical parts with different angles}
  - 8/0074 . . . {with external threads}
  - 8/0075 . . {Implant heads specially designed for receiving an upper structure ([if separable from the implant A61C 8/005](#))}
  - 8/0077 . . {with shape following the gingival surface or the bone surface}
  - 8/0078 . . {with platform switching, i.e. platform between implant and abutment}
  - 8/008 . {Healing caps or the like}
  - 8/0081 . {Magnetic dental implant retention systems}
  - 8/0083 . {Intra-gingival inserts}
  - 2008/0084 . {Provisional implants or abutments}
  - 8/0086 . {with shock absorbing means}
  - 8/0087 . {Means for sterile storage or manipulation of dental implants}
  - 8/0089 . {Implanting tools or instruments}
  - 8/009 . . {for selecting the right implanting element, e.g. templates}
  - 8/0092 . . {for sinus lifting}
  - 8/0093 . {Features of implants not otherwise provided for}
  - 8/0095 . . {Total denture implant}
  - 8/0096 . . {Implants for use in orthodontic treatment}
  - 8/0098 . . {Immediate loaded implants}
- 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. 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}
- 13/0003 . {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}
- 13/001 . . . {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 antiseptic
- 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 6/02](#))}
- 13/0835 . . . {Ceramic coating on metallic body}
- 13/087 . . Artificial resin teeth ([A61C 13/081](#) takes precedence; preparations [A61K 6/02](#))}
- 13/09 . . {Composite teeth, e.g. front and back section ([A61C 13/0835](#), [A61C 13/1023](#) take 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 ({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 13/081](#) 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 13/235](#), [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 {not used, see subgroups}
- 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}	17/036	. {Cleaning devices for dental prostheses removed from the oral cavity ( <a href="#">using ultrasonics B08B 3/12</a> )}
2013/2756	. . . . {having a Y-shaped cross-section}	17/04	. {Spittoons or saliva removers for dental use}
13/277	. . Telescopic anchoring {, i.e. using spring biased detents}	17/043	. . {Aspiration tips ( <a href="#">aspiration combined with rinsing or liquid medication A61C 17/0208</a> )}
13/28	. . Fastening by spring action between upper and lower denture	17/046	. . {characterised by provisions for processing the collected matter, e.g. for separating solids or air ( <a href="#">similar devices for medical use A61M 1/0056</a> )}
13/30	. . Fastening of peg-teeth in the mouth	17/14	. Dental appliances for receiving spittle, with or without rinsing means therefor, e.g. dental basins, spittoons, cuspidors
13/34	. Making or working of models, e.g. preliminary castings, trial dentures; Dowel pins [4]	17/16	. Power-driven cleaning or polishing devices
		17/20	. . using ultrasonics
		17/22	. . with brushes, cushions, cups, or the like ( <a href="#">brush bodies, e.g. arrangements of the bristles A46B</a> )
		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 ( <a href="#">A61C 17/40 takes precedence</a> )
		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
		<hr/>	
		<b>19/00</b>	<b>Dental auxiliary appliances (dental chairs or accessories therefor, working stands whether or not combined with chairs <a href="#">A61G 15/00</a>)</b>
<b>15/00</b>	<b>Devices for cleaning between the teeth</b>		
15/02	. Toothpicks		
15/04	. Dental floss; Floss holders {not used, see subgroups}		
15/041	. . {Dental floss ( <a href="#">chemical aspects A61Q 11/00</a> )}		
15/042	. . . {comprising protuberances along its length, e.g. balls or knots}		
15/043	. . {Containers, dispensers, or the like, e.g. with cutting means ( <a href="#">A61C 15/046 takes precedence</a> )}		
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}		
<b>17/00</b>	<b>Devices for cleaning, polishing, rinsing or drying teeth, teeth cavities or prostheses (instruments acting like a sandblast machine <a href="#">A61C 3/025</a>; tooth polishing discs or holders therefor <a href="#">A61C 3/06</a>; devices for cleaning between the teeth <a href="#">A61C 15/00</a>); Saliva removers; Dental appliances for receiving spittle</b>		
	<b>NOTE</b>		
	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 <a href="#">B08B 3/12</a>		
17/005	. {Devices for dental prophylaxis}		
17/02	. Rinsing or air-blowing devices, e.g. using fluid jets {or comprising liquid medication} ({ <a href="#">air and water supply systems in dental machines in general A61C 1/0061</a> ; with particulate material supply <a href="#">A61C 3/025</a> ;} combined with power-driven cleaning or polishing devices <a href="#">A61C 17/16</a> )		
17/0202	. . {Hand-pieces}		
17/0205	. . {Container filling apparatus}		
17/0208	. . {combined with means providing suction ( <a href="#">A61C 17/0211 takes precedence</a> )}		
17/0211	. . {specially adapted for rinsing the teeth of at least one jaw simultaneously ( <a href="#">A61C 17/20 takes precedence</a> )}		
17/0214	. . {adapted to be connected to the main water supply, e.g. using a water tap}		
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}		
17/028	. . with intermittent liquid flow ( <a href="#">A61C 17/0211 takes precedence</a> )}		

## A61C

- 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}
- 2204/002 . using batteries
- 2204/005 . using chip tag or any electronic identification mean, e.g. RFID
- 2204/007 . using wear indicators

### **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}
- 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**