

# 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

- 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>

- 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 {; General features of dental machines or apparatus, e.g. hand-piece design}

- 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 therefor ([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}

- 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

**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 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	<ul style="list-style-type: none"> <li>Devices specially adapted for pressing or mixing capping or filling materials, e.g. amalgam presses</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A61C 5/60</a> is incomplete pending reclassification of documents from group <a href="#">A61C 19/005</a>.</p> <p>Groups <a href="#">A61C 19/005</a> and <a href="#">A61C 5/60</a> should be considered in order to perform a complete search.</p>	7/02	<ul style="list-style-type: none"> <li>Tools for manipulating or working with an orthodontic appliance {<a href="#">tools for placement of brackets A61C 7/146</a>; <a href="#">instruments for attaching elastic bands A61C 7/306</a>}</li> </ul>
		7/023	<ul style="list-style-type: none"> <li>{for debonding or removing orthodontic devices}</li> </ul>
		7/026	<ul style="list-style-type: none"> <li>{for twisting orthodontic ligature wires}</li> </ul>
		7/04	<ul style="list-style-type: none"> <li>plier-type, {e.g. pincers}</li> </ul>
		7/06	<ul style="list-style-type: none"> <li>Extra-oral force transmitting means, i.e. means worn externally of the mouth and placing a member in the mouth under tension</li> </ul>
5/62	<ul style="list-style-type: none"> <li>Applicators, e.g. syringes or guns</li> </ul>	7/065	<ul style="list-style-type: none"> <li>{with a chin cup}</li> </ul>
5/64	<ul style="list-style-type: none"> <li>for multi-component compositions</li> </ul>	7/08	<ul style="list-style-type: none"> <li>Mouthpiece-type retainers {or positioners, e.g. for both the lower and upper arch <a href="#">arch-shaped medicament applicators for teeth or gums A61C 19/063</a>; <a href="#">mouthguards for protecting the teeth of sportsmen A63B 71/085</a>}</li> </ul>
5/66	<ul style="list-style-type: none"> <li>Capsules for filling material</li> </ul>		
5/68	<ul style="list-style-type: none"> <li>Mixing dental material components for immediate application to a site to be restored, e.g. a tooth cavity</li> </ul>	7/10	<ul style="list-style-type: none"> <li>Devices having means to apply outwardly directed force, e.g. expanders</li> </ul>
5/70	<ul style="list-style-type: none"> <li>Tooth crowns; Making thereof</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A61C 5/70</a> is impacted by reclassification into groups <a href="#">A61C 5/30</a>, <a href="#">A61C 5/35</a> and <a href="#">A61C 5/73</a>.</p> <p>All groups listed in this warning should be considered in order to perform a complete search.</p>	7/12	<ul style="list-style-type: none"> <li>Brackets; Arch wires; Combinations thereof; Accessories therefor</li> </ul>
		7/125	<ul style="list-style-type: none"> <li>{Mouth tissue protecting means, e.g. bracket caps}</li> </ul>
		7/14	<ul style="list-style-type: none"> <li>Brackets (<a href="#">A61C 7/28 takes precedence</a>); Fixing brackets to teeth</li> </ul>
		7/141	<ul style="list-style-type: none"> <li>{Brackets with reinforcing structure, e.g. inserts}</li> </ul>
		7/143	<ul style="list-style-type: none"> <li>{Brackets with two or more recesses for arch wires}</li> </ul>
		7/145	<ul style="list-style-type: none"> <li>{Lingual brackets}</li> </ul>
		7/146	<ul style="list-style-type: none"> <li>{Positioning or placement of brackets; Tools therefor}</li> </ul>
		7/148	<ul style="list-style-type: none"> <li>{with occlusal or gingival archwire slot opening (<a href="#">A61C 7/145 takes precedence</a>)}</li> </ul>
		7/16	<ul style="list-style-type: none"> <li>specially adapted to be cemented to teeth</li> </ul>
		7/18	<ul style="list-style-type: none"> <li>specially adapted to be fixed to teeth with a band; Bands therefor</li> </ul>
		7/20	<ul style="list-style-type: none"> <li>Arch wires (<a href="#">A61C 7/28 takes precedence</a>)</li> </ul>
		7/22	<ul style="list-style-type: none"> <li>Tension adjusting means</li> </ul>
		7/28	<ul style="list-style-type: none"> <li>Securing arch wire to bracket</li> </ul>
		7/282	<ul style="list-style-type: none"> <li>{Buccal tubes}</li> </ul>
		7/285	<ul style="list-style-type: none"> <li>{Locking by rotation}</li> </ul>
		7/287	<ul style="list-style-type: none"> <li>{Sliding locks}</li> </ul>
		7/30	<ul style="list-style-type: none"> <li>by resilient means; {Dispensers therefor}</li> </ul>
		7/303	<ul style="list-style-type: none"> <li>{Elastic bands}</li> </ul>
		7/306	<ul style="list-style-type: none"> <li>{Dispensers or attachment instruments therefor}</li> </ul>
		7/34	<ul style="list-style-type: none"> <li>using lock pins</li> </ul>
		7/36	<ul style="list-style-type: none"> <li>Devices acting between upper and lower teeth</li> </ul>
		<b>8/00</b>	<p><b>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 <a href="#">A61C 13/30</a>)</b></p>
		8/0001	<ul style="list-style-type: none"> <li>{Impression means for implants, e.g. impression coping}</li> </ul>
		8/0003	<ul style="list-style-type: none"> <li>{Not used, see subgroups}</li> </ul>
		8/0004	<ul style="list-style-type: none"> <li>{Consolidating natural teeth}</li> </ul>
		8/0006	<ul style="list-style-type: none"> <li>{Periodontal tissue or bone regeneration (support means for endoprosthetic bone substitute or bone graft implants <a href="#">A61F 2/2846</a>)}</li> </ul>
		8/0007	<ul style="list-style-type: none"> <li>{Stimulation of growth around implant by electrical means}</li> </ul>
5/73	<ul style="list-style-type: none"> <li>Composite crowns</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A61C 5/73</a> is incomplete pending reclassification of documents from group <a href="#">A61C 5/70</a>.</p> <p>Groups <a href="#">A61C 5/70</a> and <a href="#">A61C 5/73</a> should be considered in order to perform a complete search.</p>		
5/77	<ul style="list-style-type: none"> <li>Methods or devices for making crowns</li> </ul> <p><b>WARNING</b></p> <p>Group <a href="#">A61C 5/77</a> is incomplete pending reclassification of documents from group <a href="#">A61C 13/0004</a>.</p> <p>Groups <a href="#">A61C 13/0004</a> and <a href="#">A61C 5/77</a> should be considered in order to perform a complete search.</p>		
5/80	<ul style="list-style-type: none"> <li>Dental aids fixed to teeth during treatment, e.g. tooth clamps</li> </ul>		
5/82	<ul style="list-style-type: none"> <li>Dams; Holders or clamps therefor</li> </ul>		
5/85	<ul style="list-style-type: none"> <li>Filling bands, e.g. matrix bands; Manipulating tools therefor</li> </ul>		
5/88	<ul style="list-style-type: none"> <li>Wedges</li> </ul>		
5/90	<ul style="list-style-type: none"> <li>Oral protectors for use during treatment, e.g. lip or mouth protectors (<a href="#">A61C 5/82 takes precedence</a>)</li> </ul>		
<b>7/00</b>	<p><b>Orthodontics, i.e. obtaining or maintaining the desired position of teeth, e.g. by straightening, evening, regulating, separating, or by correcting malocclusions</b></p>		
7/002	<ul style="list-style-type: none"> <li>{Orthodontic computer assisted systems}</li> </ul>		
2007/004	<ul style="list-style-type: none"> <li>{Automatic construction of a set of axes for a tooth or a plurality of teeth}</li> </ul>		
7/006	<ul style="list-style-type: none"> <li>{using magnetic force}</li> </ul>		
7/008	<ul style="list-style-type: none"> <li>{using vibrating means}</li> </ul>		

8/0009	. . {Consolidating prostheses or implants, e.g. by means of stabilising pins ( <a href="#">A61C 8/0031 takes precedence</a> )}	8/0075	. . {Implant heads specially designed for receiving an upper structure (if separable from the implant <a href="#">A61C 8/005</a> )}
8/001	. {Multiple implanting technique, i.e. multiple component implants introduced in the jaw from different directions}	8/0077	. . {with shape following the gingival surface or the bone surface}
8/0012	. {characterised by the material or composition, e.g. ceramics, surface layer, metal alloy ( <a href="#">use of specific materials A61K 6/00</a> )}	8/0078	. . {with platform switching, i.e. platform between implant and abutment}
8/0013	. . {with a surface layer, coating}	8/008	. {Healing caps or the like}
8/0015	. . . {being a conversion layer, e.g. oxide layer}	8/0081	. {Magnetic dental implant retention systems}
8/0016	. . {polymeric material}	8/0083	. {Intra-gingival inserts}
8/0018	. {characterised by the shape}	2008/0084	. {Provisional implants or abutments}
8/0019	. . {Blade implants}	8/0086	. {with shock absorbing means}
8/0021	. . . {with self-incising cutting edge}	8/0087	. {Means for sterile storage or manipulation of dental implants}
8/0022	. . {Self-screwing ( <a href="#">A61C 8/0028 takes precedence</a> )}	8/0089	. {Implanting tools or instruments}
8/0024	. . . {with self-boring cutting edge}	8/009	. . {for selecting the right implanting element, e.g. templates}
8/0025	. . . {with multiple threads}	8/0092	. . {for sinus lifting}
8/0027	. . {Frames}	8/0093	. {Features of implants not otherwise provided for}
8/0028	. . {Pins, needles; Head structures therefor ( <a href="#">A61C 8/0004, A61C 8/0009 take precedence</a> )}	8/0095	. . {Total denture implant}
8/003	. . {Transmandibular implants}	8/0096	. . {Implants for use in orthodontic treatment}
8/0031	. . {Juxtaosseous implants, i.e. implants lying over the outer surface of the jaw bone}	8/0098	. . {Immediate loaded implants}
8/0033	. . {Expandable implants; Implants with extendable elements}	<b>Dental prosthetics; Artificial teeth</b> ( <a href="#">preparations for dentistry A61K 6/00</a> )	
8/0034	. . {Long implant, e.g. zygomatic implant}	9/00	<b>Impression cups, {i.e. impression trays}; Impression methods</b> ( <a href="#">computer-assisted sizing A61C 13/0004; instruments for determining occlusion A61C 19/05</a> )
8/0036	. . {Tooth replica}	9/0006	. {Impression trays}
8/0037	. . {Details of the shape}	9/0013	. . {Inflatable trays}
8/0039	. . . {in the form of hollow cylinder with an open bottom}	9/002	. {Means or methods for correctly replacing a dental model, e.g. dowel pins; Dowel pin positioning means or methods}
8/004	. . . {inflatable}	9/0026	. {Syringes or guns for injecting impression material; Mixing impression material for immediate use}
8/0042	. . . {consisting of two halves}	9/0033	. {Gingival retraction appliances}
8/0043	. . . {having more than one root}	9/004	. {Means or methods for taking digitized impressions}
8/0045	. . . {with a stepped body}	9/0046	. . {Data acquisition means or methods}
2008/0046	. . . {Textured surface, e.g. roughness, microstructure ( <a href="#">A61C 8/0013 takes precedence</a> )}	9/0053	. . . {Optical means or methods, e.g. scanning the teeth by a laser or light beam}
8/0048	. {Connecting the upper structure to the implant, e.g. bridging bars ( <a href="#">A61C 8/0028 takes precedence</a> )}	9/006	. . . . {projecting one or more stripes or patterns on the teeth}
8/005	. . {Connecting devices for joining an upper structure with an implant member, e.g. spacers}	9/0066	. . . . {Depth determination through adaptive focusing}
8/0051	. . . {Abutment monobloc with restoration}	9/0073	. . . . {Interferometric means or methods, e.g. creation of a hologram}
8/0053	. . . {with angular adjustment means, e.g. ball and socket joint}	9/008	. . . {Mechanical means or methods, e.g. a contact probe moving over the teeth}
8/0054	. . . {having a cylindrical implant connecting part}	9/0086	. . . {Acoustic means or methods}
8/0056	. . . {diverging in the apical direction of the implant or abutment}	9/0093	. . {Workpiece support}
8/0057	. . . {with elastic means}	11/00	<b>Dental articulators, i.e. for simulating movement of the temporo-mandibular joints; Articulation forms or mouldings</b>
8/0059	. . . {with additional friction enhancing means}	11/001	. {non-pivoting}
8/006	. . . {with polygonal positional means, e.g. hexagonal or octagonal}	11/003	. {with height adjustments thereof}
8/0062	. . . {Catch or snap type connection}	11/005	. {with tracing devices}
8/0063	. . . {with an internal sleeve}	11/006	. {with an occlusal plate}
8/0065	. . . {with expandable or compressible means}	11/008	. {made of wires}
8/0066	. . . {with positioning means ( <a href="#">A61C 8/006 takes precedence</a> )}	11/02	. characterised by the arrangement, location or type of the hinge means {; Articulators with pivots}
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}		

- 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}
- 2013/2756 . . . {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 [A46B](#); {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 {not used, see subgroups}
- 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}
- 17/02 . . 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)}

- 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.

- 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

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](#) and [A61C 17/135](#) 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 17/18](#) 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

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**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}

**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 . . Parallelizing 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