

**CPC****COOPERATIVE PATENT CLASSIFICATION****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](#))

**WARNING**

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

<a href="#">A61C 5/09</a>	covered by	<a href="#">A61C 5/08</a>
<a href="#">A61C 5/11</a>	covered by	<a href="#">A61C 5/08</a>
<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>

**Guidance heading:** Dental surgery

**A61C 1/00**

**Dental machines for boring or cutting;** { General features of dental machines or apparatus, e.g. hand-piece design}

**A61C 1/0007**

- . {Control devices or systems (fluid temperature control in air and water supply systems of dental machines or apparatus [A61C 1/0069](#))}

- A61C 1/0015 .. {Electrical systems}
- A61C 1/0023 ... {Foot control}
- A61C 1/003 ... {Control of rotation of instrument}
- A61C 1/0038 .. {Pneumatic systems}
- A61C 1/0046 . {Dental lasers (surgical lasers [A61B 18/20](#); working by laser beam in general [B23K 26/00](#); lasers per se [H01S 3/00](#))}
- A61C 1/0053 . {Portable units}
- A61C 1/0061 . {Air and water supply systems; Valves specially adapted therefor ([A61C 1/052](#) takes precedence; rinsing or air-blowing devices [A61C 17/02](#))}
- A61C 1/0069 .. {Fluid temperature control}
- A61C 1/0076 .. {Sterilising operating fluids or fluid supply elements such as supply lines, filters (sterilisation of liquid substances in general [A61L 2/18](#))}
- A61C 1/0084 .. {Supply units, e.g. reservoir arrangements, specially adapted pumps}
- A61C 1/0092 ... {Pumps specially adapted therefor}
- A61C 1/02 . characterised by the drive of the dental tools
- A61C 1/04 .. with treadle or manual drive
- A61C 1/05 .. with turbine drive
- A61C 1/052 ... {Ducts for supplying driving or cooling fluid, e.g. air, water}
- A61C 1/055 .... {through the working tool, e.g. hollow burr}
- A61C 1/057 ... { with means for preventing suction effect in turbine after deactivation of the drive air}
- A61C 1/06 .. with electric drive
- A61C 1/07 .. with vibratory drive, e.g. ultrasonic
- A61C 1/08 . Machine parts specially adapted for dentistry
- A61C 1/081 .. {Pain-alleviating features}
- A61C 1/082 .. {Positioning or guiding, e.g. of drills}
- A61C 1/084 ... {of implanting tools}
- A61C 1/085 ... {for multiple drills, for simultaneous drilling}
- A61C 1/087 .. {Supplying powder or medicines}
- A61C 1/088 .. {Illuminating devices or attachments (for examination of the mouth [A61B 1/24](#))}
- A61C 1/10 .. Straight hand-pieces
- A61C 1/12 .. Angle hand-pieces
- A61C 1/14 .. Tool-holders, {i.e. operating tool holders, e.g. burr holders}
- A61C 1/141 ... {in an angled handpiece}
- A61C 1/142 ... {Operating tool blocking means}
- A61C 1/144 .... {constricting the operating tool, e.g. chuck}
- A61C 1/145 ... {Instruments or accessories for tool holders}
- A61C 1/147 ... {in a straight handpiece}
- A61C 1/148 ... {Non-rotating tool holders, e.g. vibrating, oscillating, nutating}
- A61C 1/16 .. Protecting caps for hand-pieces or angle-pieces

- A61C 1/18 .. Flexible shafts; Clutches or the like; {Bearings or lubricating arrangements; Drives or transmissions}(flexible shafts in general [F16C](#); clutches in general [F16D](#))
- A61C 1/181 ... {Bearings or lubricating arrangements, e.g. air-cushion bearings}
- A61C 1/183 .... {Jewel bearings}
- A61C 1/185 ... {Drives or transmissions}
- A61C 1/186 .... { with torque adjusting or limiting means}
- A61C 1/188 ... { Means for allowing non driven rotation of the tool relative to the handle, e.g. toolswivel}

**A61C 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](#))

- A61C 3/005 . { Brushes for applying dental compositions}
- A61C 3/02 . Tooth drilling or cutting instruments; Instruments acting like a sandblast machine
- A61C 3/025 .. Instruments acting like a sandblast machine, e.g. for cleaning, polishing or cutting teeth
- A61C 3/03 .. Instruments operated by vibration
- A61C 3/04 . Supports for holding tooth drills in order of use
- A61C 3/06 . Tooth grinding or polishing discs; Holders therefor {(prophylactic cups [A61C 17/005](#))}
- A61C 3/08 . Tooth pluggers or hammers
- A61C 3/10 . Tooth pincettes or the like
- A61C 3/12 . Tooth saws
- A61C 3/14 . Dentists` forceps or the like for extracting teeth
- A61C 3/16 . Dentists` forceps {or clamps} for removing crowns
- A61C 3/162 .. {acting by leverage}
- A61C 3/164 .. {acting by percussion}
- A61C 3/166 .. {acting by vibration}
- A61C 3/168 .. {with wires}

**A61C 5/00****Filling or capping teeth**

- A61C 5/002 . { Facets}
- A61C 5/005 . {Dental anchoring pins; Mounting tools or dispensers therefor ([A61C 13/30](#) takes precedence)}
- A61C 5/007 . { Dental splints; teeth or jaw immobilisation devices; stabilizing retainers bonded to teeth after orthodontic treatments}
- A61C 5/02 . Implements for surgical treatment of the roots or nerves of the teeth; Nerve needles; Methods or instruments for medication of the roots (substances for chemical treatment [A61K 6/00](#))
- A61C 5/021 .. {Not used, see subgroups}
- A61C 5/023 ... {Root canal files; Handgrips or guiding means therefor ([A61C 1/082](#), [A61C 5/025](#), [A61C 19/02](#) take precedence)}
- A61C 5/025 ... {Depth control, e.g. for files; Supports or boxes with depth gauging means; Stop positioners; Instruments adjustably mounted in handle portion}
- A61C 5/026 ... {Nerve extractors, e.g. needles; Removing broken parts of endodontic instruments}

- A61C 5/028 . . . {Means preventing loss of endodontic instruments}
- A61C 5/04 . Implements for filling natural teeth; Methods or instruments for medication of tooth nerve channels ({rinsing tooth nerve channels [A61C 17/02](#); composition of the fillings [A61K 6/02](#))
- A61C 5/045 . . { with heating means, e.g. for heating gutta percha or filling}
- A61C 5/06 . Amalgam presses or mixers ({[A61C 19/005](#) takes precedence})
- A61C 5/062 . . {Dental composition applicators, e.g. syringes, guns ([A61C 9/0026](#) takes precedence)}
- A61C 5/064 . . . { Multi-component applicators}
- A61C 5/066 . . {Amalgam capsules}
- A61C 5/068 . . {Dental composition mixers, e.g. amalgators, capsule holders}
- A61C 5/08 . Tooth crowns; Making same; Securing crowns in the mouth (dental implants [A61C 8/00](#))
- A61C 5/10 . . Methods or devices for making crowns ({[A61C 13/0004](#) takes precedence})
- A61C 5/12 . Tooth clamps; Dam holders; {Dental aids fixed to the teeth during treatment}
- A61C 5/122 . . {Dental dams; Holders or clamps therefor}
- A61C 5/125 . . {Dental filling bands, e.g. matrix bands; Manipulating tools therefor}
- A61C 5/127 . . {Dental wedges}
- A61C 5/14 . Lip or mouth protectors
  
- A61C 7/00** **Orthodontics, i.e. obtaining or maintaining the desired position of teeth, e.g. by straightening, evening, regulating, separating, or by correcting malocclusions**
- A61C 7/002 . { Orthodontic computer assisted systems}
- A61C 2007/004 . . {Automatic construction of a set of axes for a tooth or a plurality of teeth}
- A61C 7/006 . {using magnetic force}
- A61C 7/008 . { using vibrating means}
- A61C 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](#))}
- A61C 7/023 . . { for debonding or removing orthodontic devices}
- A61C 7/026 . . { for twisting orthodontic ligature wires}
- A61C 7/04 . . plier-type, {e.g. pincers}
- A61C 7/06 . Extra-oral force transmitting means, i.e. means worn externally of the mouth and placing a member in the mouth under tension
- A61C 7/065 . . { with a chin cup}
- A61C 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](#))}
- A61C 7/10 . Devices having means to apply outwardly directed force, e.g. expanders
- A61C 7/12 . Brackets; Arch wires; Combinations thereof; Accessories therefor
- A61C 7/125 . . { Mouth tissue protecting means, e.g. bracket caps}
- A61C 7/14 . . Brackets ([A61C 7/28](#) takes precedence); Fixing brackets to teeth
- A61C 7/141 . . . {Brackets with reinforcing structure, e.g. inserts}
- A61C 7/143 . . . { Brackets with two or more recesses for arch wires}

- A61C 7/145 . . . {Lingual brackets}
- A61C 7/146 . . . {Positioning or placement of brackets; Tools therefor}
- A61C 7/148 . . . {with occlusal or gingival archwire slot opening ([A61C 7/145](#) takes precedence)}
- A61C 7/16 . . . specially adapted to be cemented to teeth
- A61C 7/18 . . . specially adapted to be fixed to teeth with a band; Bands therefor
- A61C 7/20 . . Arch wires ([A61C 7/28](#) takes precedence)
- A61C 7/22 . . . Tension adjusting means
- A61C 7/28 . . Securing arch wire to bracket
- A61C 7/282 . . . {Buccal tubes}
- A61C 7/285 . . . {Locking by rotation}
- A61C 7/287 . . . {Sliding locks}
- A61C 7/30 . . . by resilient means; {Dispensers therefor}
- A61C 7/303 . . . . {Elastic bands}
- A61C 7/306 . . . . . {Dispensers or attachment instruments therefor}
- A61C 7/34 . . . using lock pins
- A61C 7/36 . . Devices acting between upper and lower teeth

**A61C 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](#))

- A61C 8/0001 . {Impression means for implants, e.g. impression coping}
- A61C 8/0003 . {Not used, see subgroups}
- A61C 8/0004 . . {Consolidating natural teeth}
- A61C 8/0006 . . . {Periodontal tissue or bone regeneration (support means for endoprosthetic bone substitute or bone graft implants [A61F 2/2846](#))}
- A61C 8/0007 . . . . {Stimulation of growth around implant by electrical means}
- A61C 8/0009 . . {Consolidating prostheses or implants, e.g. by means of stabilising pins ([A61C 8/0031](#) takes precedence)}
- A61C 8/001 . {Multiple implanting technique, i.e. multiple component implants introduced in the jaw from different directions}
- A61C 8/0012 . {characterised by the material or composition, e.g. ceramics, surface layer, metal alloy (use of specific materials [A61K 6/00](#))}
- A61C 8/0013 . . {with a surface layer, coating}
- A61C 8/0015 . . . {being a conversion layer, e.g. oxide layer}
- A61C 8/0016 . . {polymeric material}
- A61C 8/0018 . {characterised by the shape}
- A61C 8/0019 . . {Blade implants}
- A61C 8/0021 . . . {with self-incising cutting edge}
- A61C 8/0022 . . {Self-screwing ([A61C 8/0028](#) takes precedence)}
- A61C 8/0024 . . . {with self-boring cutting edge}
- A61C 8/0025 . . . {with multiple threads}

- A61C 8/0027      ..      {Frames}
- A61C 8/0028      ..      {Pins, needles; Head structures therefor ([A61C 8/0004](#), [A61C 8/0009](#) take precedence)}
- A61C 8/003      ..      {Transmandibular implants}
- A61C 8/0031      ..      {Juxtaosseous implants, i.e. implants lying over the outer surface of the jaw bone}
- A61C 8/0033      ..      {Expandable implants; Implants with extendable elements}
- A61C 8/0034      ..      { Long implant, e.g. zygomatic implant}
- A61C 8/0036      ..      { Tooth replica}
- A61C 8/0037      ..      { Details of the shape}
- A61C 8/0039      ...      { in the form of hollow cylinder with an open bottom}
- A61C 8/004      ...      { inflatable}
- A61C 8/0042      ...      { consisting of two halves}
- A61C 8/0043      ...      { having more than one root}
- A61C 8/0045      ...      { with a stepped body}
- A61C 2008/0046      ...      {Textured surface, e.g. roughness, microstructure ([A61C 8/0013](#) takes precedence)}
- A61C 8/0048      .      {Connecting the upper structure to the implant, e.g. bridging bars ([A61C 8/0028](#) takes precedence)}
- A61C 8/005      ..      {Connecting devices for joining an upper structure with an implant member, e.g. spacers}
- A61C 8/0051      ...      { Abutment monobloc with restoration}
- A61C 8/0053      ...      { with angular adjustment means, e.g. ball and socket joint}
- A61C 8/0054      ...      { having a cylindrical implant connecting part}
- A61C 8/0056      ...      { diverging in the apical direction of the implant or abutment}
- A61C 8/0057      ...      { with elastic means}
- A61C 8/0059      ...      { with additional friction enhancing means}
- A61C 8/006      ...      { with polygonal positional means, e.g. hexagonal or octagonal}
- A61C 8/0062      ...      { Catch or snap type connection}
- A61C 8/0063      ...      { with an internal sleeve}
- A61C 8/0065      ...      { with expandable or compressible means}
- A61C 8/0066      ...      { with positioning means ([A61C 8/006](#) takes precedence)}
- A61C 8/0068      ...      { with an additional screw}
- A61C 8/0069      ...      { tapered or conical connection}
- A61C 8/0071      ....      { with a self-locking taper, e.g. morse taper}
- A61C 8/0072      ....      { including male and female conical parts with different angles}
- A61C 8/0074      ...      { with external threads}
- A61C 8/0075      ..      { Implant heads specially designed for receiving an upper structure (if separable from the implant [A61C 8/005](#))}
- A61C 8/0077      ..      { with shape following the gingival surface or the bone surface}
- A61C 8/0078      ..      { with platform switching, i.e. platform between implant and abutment}
- A61C 8/008      .      {Healing caps or the like}

- A61C 8/0081 . {Magnetic dental implant retention systems}
- A61C 8/0083 . {Intra-gingival inserts}
- A61C 2008/0084 . {Provisional implants or abutments}
- A61C 8/0086 . {with shock absorbing means}
- A61C 8/0087 . {Means for sterile storage or manipulation of dental implants}
- A61C 8/0089 . {Implanting tools or instruments}
- A61C 8/009 .. { for selecting the right implanting element, e.g. templates}
- A61C 8/0092 .. { for sinus lifting}
- A61C 8/0093 . { Features of implants not otherwise provided for}
- A61C 8/0095 .. { Total denture implant}
- A61C 8/0096 .. { Implants for use in orthodontic treatment}
- A61C 8/0098 .. { Immediate loaded implants}

**Guidance heading:** **Dental prosthetics; Artificial teeth** (preparations for dentistry [A61K 6/00](#))

- A61C 9/00** **Impression cups, {i.e. impression trays}; Impression methods** {(computer-assisted sizing [A61C 13/0004](#); instruments for determining occlusion [A61C 19/05](#) )}
- A61C 9/0006 . {Impression trays}
  - A61C 9/0013 .. { Inflatable trays}
  - A61C 9/002 . {Means or methods for correctly replacing a dental model, e.g. dowel pins; Dowel pin positioning means or methods}
  - A61C 9/0026 . {Syringes or guns for injecting impression material; Mixing impression material for immediate use}
  - A61C 9/0033 . {Gingival retraction appliances}
  - A61C 9/004 . { Means or methods for taking digitized impressions}
  - A61C 9/0046 .. { Data acquisition means or methods}
  - A61C 9/0053 ... { Optical means or methods, e.g. scanning the teeth by a laser or light beam}
  - A61C 9/006 .... { projecting one or more stripes or patterns on the teeth}
  - A61C 9/0066 .... { Depth determination through adaptive focusing}
  - A61C 9/0073 .... { Interferometric means or methods, e.g. creation of a hologram}
  - A61C 9/008 ... { Mechanical means or methods, e.g. a contact probe moving over the teeth}
  - A61C 9/0086 ... { Acoustic means or methods}
  - A61C 9/0093 .. { Workpiece support}
- A61C 11/00** **Dental articulators, i.e. for simulating movement of the temporo-mandibular joints; Articulation forms or mouldings**
- A61C 11/001 . {non-pivoting}
  - A61C 11/003 . { with height adjustments thereof}
  - A61C 11/005 . { with tracing devices}
  - A61C 11/006 . { with an occlusal plate}
  - A61C 11/008 . { made of wires}



- A61C 11/02 . characterised by the arrangement, location or type of the hinge means; {Articulators with pivots}
- A61C 11/022 . . {with two adjustable pivoting points, e.g. Argon-type articulators}
- A61C 11/025 . . { with a pivotable lower part, i.e. mandibule motion simulator}
- A61C 11/027 . . {with a hinge made of resilient material}
- A61C 11/06 . with incisal guide
- A61C 11/08 . with means to secure dental casts to articulator
- A61C 11/081 . . { with adjusting means thereof}
- A61C 11/082 . . . { for rectilinear adjustment}
- A61C 11/084 . . . { for 3D adjustment, e.g. Ball-and-socket}
- A61C 11/085 . . . { Intermediary adjustment plates}
- A61C 11/087 . . { using magnets}
- A61C 11/088 . . { using screws}
  
- A61C 13/00** **Dental prostheses; Making same** (tooth crowns for capping teeth [A61C 5/08](#); dental implants [A61C 8/00](#))
- A61C 13/0001 . {In-situ dentures; Trial or temporary dentures}
- A61C 13/0003 . {Making bridge-work, inlays, implants or the like}
- A61C 13/0004 . . {Computer-assisted sizing or machining of dental prostheses}
- A61C 13/0006 . . {Production methods}
- A61C 13/0007 . . . {using sand blasting}
- A61C 13/0009 . . . {using a copying machine}
- A61C 13/001 . . . {Electrophoresis coating}
- A61C 13/0012 . . . {Electrolytic coating}
- A61C 13/0013 . . . {using stereolithographic techniques}
- A61C 13/0015 . . . {using electrical discharge machining (EDM), e.g. spark erosion}
- A61C 13/0016 . . . {using ultrasonic or sonic machining process}
- A61C 13/0018 . . . {using laser}
- A61C 13/0019 . . . {using three dimensional printing}
- A61C 13/0021 . . . {using stamping techniques}
- A61C 13/0022 . . {Blanks or green, unfinished dental restoration parts}
- A61C 13/0024 . {Repairing or adjusting dentures; Location of irritating zones}
- A61C 13/0025 . {Linings}
- A61C 13/0027 . {Base for holding castings}
- A61C 13/0028 . {Instruments or appliances for wax-shaping or wax-removing}
- A61C 13/01 . Palates or other bases or supports for the artificial teeth; Making same
- A61C 13/02 . . made by galvanoplastic methods or by plating; Surface treatment; Enamelling; Perfuming; Making antiseptic
- A61C 13/04 . . made by casting
- A61C 13/06 . . made by punching
- A61C 13/08 . Artificial teeth; Making same (kilns for artificial teeth [F27B](#))



- A61C 13/081 .. {Making teeth by casting or moulding}
- A61C 13/082 .. {Cosmetic aspects, e.g. inlays; Determination of the colour ([A61C 19/10](#) takes precedence)}
- A61C 13/083 .. Porcelain or ceramic teeth {([A61C 13/081](#) takes precedence; preparations [A61K 6/02](#))}
- A61C 13/0835 ... {Ceramic coating on metallic body}
- A61C 13/087 .. Artificial resin teeth {([A61C 13/081](#) takes precedence; preparations [A61K 6/02](#))}
- A61C 13/09 .. {Composite teeth, e.g. front and back section ([A61C 13/0835](#), [A61C 13/1023](#) take precedence)}; Multilayer teeth
- A61C 13/097 .. characterised by occlusal profiles, {i.e. chewing contact surfaces}
- A61C 13/10 . Fastening of artificial teeth to denture palates or the like {([A61C 8/0048](#) takes precedence)}
- A61C 13/1003 .. {by embedding in base material}
- A61C 13/1006 ... {characterised by a tooth shape which improves retention}
- A61C 13/1009 ... {Anchorage members, e.g. pins or bars; Means or methods for affixing pins to porcelain teeth}
- A61C 13/1013 ... {Arch forms}
- A61C 13/1016 .... {Methods or apparatus for mounting, holding or positioning a set of teeth}

### **WARNING**

Not complete, see [A61C 13/00](#), [A61C 13/04](#)

- A61C 13/102 .. {to be fixed to a frame}
- A61C 13/1023 ... {Facing and backing}
- A61C 13/1026 .. {Shock absorbers}
- A61C 13/12 . Tools for fastening artificial teeth; Holders, clamps, or stands for artificial teeth {([A61C 8/0089](#) takes precedence)}
- A61C 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](#))}
- A61C 13/16 .. Curing flasks; Holders therefor
- A61C 13/18 .. Presses for flasks
- A61C 13/20 . Methods or devices for soldering, casting, moulding or melting {([A61C 13/04](#), [A61C 13/081](#) take precedence)}
- A61C 13/203 .. {using microwave energy}
- A61C 13/206 .. {Injection moulding}
- A61C 13/225 . Fastening prostheses in the mouth {([A61C 8/0048](#) takes precedence)}
- A61C 13/2255 .. {Frames for partial dentures; Lingual bars}
- A61C 13/235 .. Magnetic fastening {([A61C 8/0081](#) takes precedence); magnetic implants [A61C 8/00](#)}
- A61C 13/24 .. Fastening by suction, {i.e. total dentures ([A61C 8/00](#), [A61C 13/235](#), [A61C 13/28](#) take precedence)}
- A61C 13/245 ... {Vacuum enhancing devices, e.g. valves}
- A61C 13/25 ... including valve or air passageway leading from suction area to lingual cavity

- A61C 13/26 .. Dentures without palates; {Partial dentures, e.g. bridges}
- A61C 13/265 .. Sliding or snap attachments {not used, see subgroups}
- A61C 13/2653 ... {Sliding attachments}
- A61C 13/2656 ... {Snap attachments}
- A61C 13/267 .. Clasp fastening
- A61C 13/273 .. removably secured to residual teeth by using bolts { or locks}
- A61C 13/275 .. removably secured by using bridging bars or rails between residual teeth
- A61C 2013/2753 ... {characterised by the shape of the bridging bar }
- A61C 2013/2756 .... {having a Y-shaped cross-section }
- A61C 13/277 .. Telescopic anchoring, { i.e. using spring biased detents}
- A61C 13/28 .. Fastening by spring action between upper and lower denture
- A61C 13/30 .. Fastening of peg-teeth in the mouth
- A61C 13/34 . Making or working of models, e.g. preliminary castings, trial dentures; Dowel pins [4]

**Guidance heading:** **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](#))

- A61C 15/00      Devices for cleaning between the teeth**
- A61C 15/02 . Toothpicks
  - A61C 15/04 . Dental floss; Floss holders {not used, see subgroups}
  - A61C 15/041 .. { Dental floss (chemical aspects [A61Q 11/00](#))}
  - A61C 15/042 ... { comprising protuberances along its length, e.g. balls or knots}
  - A61C 15/043 .. {Containers, dispensers, or the like, e.g. with cutting means ([A61C 15/046](#) takes precedence)}
  - A61C 15/045 .. {Threading or knotting devices}
  - A61C 15/046 .. {Flossing tools}
  - A61C 15/047 ... {power-driven}
  - A61C 15/048 ... { with heads removable from handle, e.g. interchangeable heads}
- A61C 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](#)

- A61C 17/005 . {Devices for dental prophylaxis}

- A61C 17/02
  - Rinsing or air-blowing devices, e.g. using fluid jets { or comprising liquid medication}({ air and water supply systems in dental machines in general [A61C 1/0061](#); with particulate material supply [A61C 3/025](#);} combined with power-driven cleaning or polishing devices [A61C 17/16](#))
- A61C 17/0202
  - .. {Hand-pieces}
- A61C 17/0205
  - .. {Container filling apparatus}
- A61C 17/0208
  - .. {combined with means providing suction ([A61C 17/0211](#) takes precedence)}
- A61C 17/0211
  - .. {specially adapted for rinsing the teeth of at least one jaw simultaneously ([A61C 17/20](#) takes precedence)}
- A61C 17/0214
  - .. {adapted to be connected to the main water supply, e.g. using a water tap}
- A61C 17/0217
  - .. {having means for manually controlling the supply of two or more fluids, e.g. water and air}
- A61C 17/022
  - .. Air-blowing devices, {e.g. with means for heating the air}
- A61C 17/028
  - .. with intermittent liquid flow {([A61C 17/0211](#) takes precedence)}
- A61C 17/036
  - Cleaning devices for {dental} prostheses {removed from the oral cavity (using ultrasonics [B08B 3/12](#))}
- A61C 17/04
  - Spittoons or saliva removers for dental use
- A61C 17/043
  - .. { Aspiration tips (aspiration combined with rinsing or liquid medication [A61C 17/0208](#))}
- A61C 17/046
  - .. {characterised by provisions for processing the collected matter, e.g. for separating solids or air (similar devices for medical use [A61M 1/0056](#))}
- A61C 17/14
  - Dental appliances for receiving spittle, with or without rinsing means therefor, e.g. dental basins, spittoons, cuspidors
- A61C 17/16
  - Power-driven cleaning or polishing devices
- A61C 17/20
  - .. using ultrasonics
- A61C 17/22
  - .. with brushes, cushions, cups, or the like (brush bodies, e.g. arrangements of the bristles [A46B](#))
- A61C 17/221
  - ... { Control arrangements therefor}
- A61C 17/222
  - ... { Brush body details, e.g. the shape thereof or connection to handle}
- A61C 17/224
  - ... { Electrical recharging arrangements}
- A61C 17/225
  - ... { Handles or details thereof}
- A61C 17/227
  - .... { with reservoirs, e.g. for toothpaste}
- A61C 17/228
  - ... { Self-contained intraoral toothbrush, e.g. mouth-guard toothbrush without handle}
- A61C 17/24
  - ... rotating continuously ([A61C 17/40](#) takes precedence)
- A61C 17/26
  - .... driven by electric motor
- A61C 17/28
  - ..... with rinsing means
- A61C 17/30
  - .... driven by hydraulic motor, e.g. water motor
- A61C 17/32
  - ... reciprocating or oscillating
- A61C 17/34
  - .... driven by electric motor
- A61C 17/3409
  - ..... { characterized by the movement of the brush body}
- A61C 17/3418
  - ..... { Rotation around the axis of the toothbrush handle}

A61C 17/3427	.....	{ Rotation around the axis perpendicular to the axis of toothbrush handle and in the plane defined by the bristle holder}
A61C 17/3436	.....	{ Rotation around the axis perpendicular to the plane defined by the bristle holder}
A61C 17/3445	.....	{ Translation along the axis of the toothbrush handle}
A61C 17/3454	.....	{ Translation along the axis perpendicular of the axis of toothbrush handle and in the plane defined by the bristle holder}
A61C 17/3463	.....	{ Translation along the axis perpendicular to the plane defined by the bristle holder}
A61C 17/3472	.....	{ with combined movements of the brush body}
A61C 17/3481	.....	{ Vibrating brush body, e.g. by using eccentric weights}
A61C 17/349	.....	{ with multiple brush bodies}
A61C 17/36	.....	with rinsing means
A61C 17/38	....	driven by hydraulic motor, e.g. water motor
A61C 17/40	...	orbiting, e.g. nutating

<b>A61C 19/00</b>	<b>Dental auxiliary appliances</b> (dental chairs or accessories therefor, working stands whether or not combined with chairs <a href="#">A61G 15/00</a> )	
A61C 19/001	.	{Holders for absorbent pads (absorbent pads per se <a href="#">A61F 13/00</a> )}
A61C 19/002	.	{Cleaning devices specially adapted for dental instruments (disinfecting <a href="#">A61L 2/00</a> ; cleaning in general <a href="#">B08B</a> )}
A61C 19/003	.	{Apparatus for curing resins by radiation}
A61C 19/004	..	{Hand-held apparatus, e.g. guns}
A61C 19/005	.	{Devices for the manual mixing of small quantities of materials, e.g. trays for mixing dental porcelain}
A61C 19/006	.	{Finger- or hand-supported dental trays}
A61C 19/007	.	{Dust removing devices on working places in dental laboratories, e.g. working by suction (preventing escape of dirt <a href="#">B08B 15/00</a> )}
A61C 19/008	.	{Devices for displaying or storing lost natural teeth, e.g. boxes}
A61C 19/02	.	Protective casings, e.g. boxes for instruments; Bags; {( <a href="#">A61C 5/025</a> takes precedence)}
A61C 19/04	.	Measuring instruments specially adapted for dentistry {( <a href="#">A61C 5/025</a> takes precedence; testing vitality of teeth <a href="#">A61B 5/0534</a> ; radiation diagnosis <a href="#">A61B 6/00</a> )}
A61C 19/041	..	{for measuring the length of the root canal of a tooth}
A61C 19/042	..	{ for determining the position of a root apex}
A61C 19/043	..	{Depth measuring of periodontal pockets; Probes therefor}
A61C 19/045	..	for recording mandibular movement, e.g. face bows
A61C 19/05	..	for determining occlusion
A61C 19/052	...	{ with tracing appliances}
A61C 19/055	..	Paralleling devices
A61C 19/06	.	Implements for therapeutic treatment (radiation therapy <a href="#">A61N 5/00</a> )
A61C 19/063	..	{Medicament applicators for teeth or gums, e.g. treatment with fluorides}
A61C 19/066	...	{ 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

**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

**Guidance heading: Dental surgery****A61C 2202/00****Packaging 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 2204/002 . using batteries
- A61C 2204/005 . using chip tag or any electronic identification mean, e.g. RFID
- A61C 2204/007 . using wear indicators