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)

Definition statement

This place covers:

Apparatus (i.e. instruments, implements, machines, structures, tools) or processes that are specially adapted for, or limited to use in, creating artificial teeth, mounting artificial teeth, supporting artificial teeth, or repairing artificial teeth or their supports (e.g. denture articulators), and wherein the dental prostheses made or fixed by the apparatus or process are used exclusively for humans or both humans and animals.

Apparatus or methods utilized to prevent, discourage, or cure oral diseases (i.e. diseases occurring exclusively within the oral cavity such as enamel caries or periodontitis) in humans or both humans and animals.

Apparatus, devices, or methods used for one or more of the following:

• correcting abnormalities or injuries that prevent the proper or desired bringing together of the cooperating surfaces of natural teeth, or their artificial replacements that are permanently affixed within the mouth, located on opposite jaws;
• preserving or rectify the appropriate or desired relative positioning, separation gaps, or alignment of natural teeth; or
• preventing or repairing damage to natural teeth or their appropriate or desired relative positioning, separation gaps, or alignment (e.g. devices that surround or cover teeth to prevent grinding).

Apparatus (i.e. instruments, implements, machines, structures, tools) or processes that are specially adapted for, or limited to use in, the treatment, reconstruction, removal, insertion, replacement, repair, transfixing or testing of either natural teeth, artificial teeth that are permanently affixed within the oral cavity, gums, or other portions of the oral cavity having an effect on their operation (e.g. portions of jawbone supporting teeth), and wherein the apparatus or processes are used exclusively for humans or both humans and animals.

Apparatus, devices, or methods used for

• sanitizing the oral cavity or dental prostheses (e.g. gargling devices, washing means);
• removing foreign matter (e.g. food) or undesirable naturally occurring matter (e.g. plaque, calculus) from the surfaces of teeth, gums, or dental prostheses; or
• stimulating gums.

Dental prostheses devices or artificial dental implant devices per se or their components (e.g. artificial teeth, mounting or attaching means for artificial teeth, devices for supplementing jawbones, crowns) used within the oral cavity.

Dental implants formed from biological material or consisting of oral cavity parts originating either from a donor source or from the patient that are intended to be introduced, or reintroduced, into the patient's oral cavity to correct a dental or oral hygiene problem (e.g. modified natural teeth or jawbone material from a donor).

Adjunct, auxiliary, or supplementary means or structures that contribute to the effectiveness or safety of dental procedures or their products and are specially adapted to be used either:

• during dentistry procedures (e.g. saliva removers, medication suppliers, drainage treatment);
• with the products of dental procedures (e.g. artificial teeth supports); or
• during the making of dental prostheses (e.g. stands for impression trays).
Specially adapted components of apparatus having structural features limiting them to use with at least one of the dental apparatus types specified above (e.g. dust collectors, illumination devices).

Accessories specially adapted for use with at least one of the above types of apparatus, means, or structures (e.g. devices for measuring the length of the root canal of a tooth).

**Relationships with other classification places**

Subclass **A46B** covers manually moved or powered brushes, and in particular toothbrushes, used for cleaning that are not specifically provided for elsewhere. It also covers arrangements of brush bristles per se and the handle structure for brushes.

Subclass **A61D** covers devices used by individuals to remove foreign matter from the surface of the teeth of animals or enhance the appearance of the teeth of animals when the device is not specifically provided for elsewhere and is limited to use solely on animals.

Subclass **A61G** covers dental work stands and dental or operating chairs.

Subclass **A61K** covers preparations that are used for medical, dental, or cosmetic purposes in the oral cavity.

Subclass **A61Q** covers preparations for care of the teeth, of the oral cavity or of dentures e.g. toothpastes, mouth rinses.

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>Positioning or arrangements of toothbrush bristles per se for manual or powered toothbrushes</th>
<th>A46B 9/04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tongue scrapers</td>
<td>A61B 17/24</td>
</tr>
<tr>
<td>Dental work stands</td>
<td>A61G 15/14</td>
</tr>
<tr>
<td>Dental hypodermic syringes</td>
<td>A61M 5/178</td>
</tr>
</tbody>
</table>

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Apparatus for passive exercising</th>
<th>A61H 1/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gum massage</td>
<td>A61H 13/00</td>
</tr>
<tr>
<td>Exercising apparatus specially adapted for particular parts of the body</td>
<td>A63B 23/00</td>
</tr>
</tbody>
</table>

**Glossary of terms**

In this place, the following terms or expressions are used with the meaning indicated:

<table>
<thead>
<tr>
<th>Oral cavity</th>
<th>The part of human or animal mouth that includes the inside lining of the lips and cheeks (buccal mucosa), the teeth or their artificial permanently affixed replacements, the gums, the front two-thirds of the tongue, the floor of the mouth below the tongue, the bony roof of the mouth (hard palate), and the area immediately behind the wisdom teeth (retromolar trigone).</th>
</tr>
</thead>
</table>

2
A61C 1/00
Dental machines for boring or cutting \{; General features of dental machines or apparatus, e.g. hand-piece design\}

Definition statement
This place covers:
Dental hand-pieces used by the dentist;
the control system of said hand-pieces;
the power and fluid supply to said hand-pieces;
the design of said hand-pieces;
the mechanical drive of said hand-pieces;
accessories and details of said hand-pieces.

References

Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental working tool itself (e.g. drill, burr)</td>
<td>A61C 3/02</td>
</tr>
<tr>
<td>Handpiece holder</td>
<td>A61G 15/16</td>
</tr>
</tbody>
</table>

A61C 1/0007
{Control devices or systems (fluid temperature control in air and water supply systems of dental machines or apparatus A61C 1/0069)}

References

Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluid temperature control in air and water supply systems of dental machines or apparatus</td>
<td>A61C 1/0069</td>
</tr>
</tbody>
</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control means or display unit for bone cutting tools</td>
<td>A61B 17/1626</td>
</tr>
<tr>
<td>Dental chair control</td>
<td>A61G 15/02</td>
</tr>
</tbody>
</table>
A61C 1/0015
{Electrical systems}

Definition statement

This place covers:
The electrical or electronic control systems.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Control means or display unit for bone cutting tools | A61B 17/1626 |
| Driving circuit for apparatus generating mechanical vibrations | B06B 1/0207 |

A61C 1/0023
{Foot control}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Pedal operated surgical instruments | A61B 2017/00973 |
| Controlling members actuated by foot | G05G 1/30 |

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)}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Surgical lasers | A61B 18/20 |
| Working by laser beam in general | B23K 26/00 |
| Lasers per se | H01S 3/00 |
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)}

References

Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Duck for supplying driving or cooling fluid</th>
<th>A61C 1/052</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rinsing or air-blowing devices</td>
<td>A61C 17/02</td>
</tr>
</tbody>
</table>

A61C 1/0076
{Sterilising operating fluids or fluid supply elements such as supply lines, filters (sterilisation of liquid substances in general A61L 2/18)}

References

Limiting references
This place does not cover:

| Sterilisation of liquid substances in general | A61L 2/18 |

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Filters in general | B01D 61/00 |

A61C 1/0084
{Supply units, e.g. reservoir arrangements, specially adapted pumps}

References

Limiting references
This place does not cover:

| Container filling apparatus for tooth cleansing handpieces with fluid jets | A61C 17/0205 |

A61C 1/06

with electric drive

Relationships with other classification places
Electrical motors H02K.
References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Electromotors casing</th>
<th>H02K 5/08</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electromotors</td>
<td>H02K 29/00</td>
</tr>
</tbody>
</table>

A61C 1/07
with vibratory drive, e.g. ultrasonic

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Vibrating working tool itself</th>
<th>A61C 3/03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vibrating tooth cleaning device, e.g. ultrasonic toothbrush</td>
<td>A61C 17/20; A61C 17/32</td>
</tr>
</tbody>
</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Vibrating surgical tool in general | A61B 17/320068 |

A61C 1/082
{Positioning or guiding, e.g. of drills}

Definition statement
This place covers:
Mechanical or electronic device to assist positioning of the tool in the jaw.

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Root canal depth control</th>
<th>A61C 5/44</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide for jaw with no dental, orthodontic or dental prosthesis/implant purpose</td>
<td>A61B 17/176</td>
</tr>
</tbody>
</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Surgical tool tracking system</th>
<th>A61B 34/20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical abutting means</td>
<td>A61B 2090/033</td>
</tr>
<tr>
<td>Surgical depth measuring means</td>
<td>A61B 2090/062</td>
</tr>
</tbody>
</table>
A61C 1/084
{of implanting tools}

Definition statement
This place covers:
Guiding/positioning means for dental implanting purpose.

Relationships with other classification places
Marker e.g. radio-opaque A61B 90/39.

A61C 1/088
{Illuminating devices or attachments (for examination of the mouth A61B 1/24 and A61B 1/06)}

Definition statement
This place covers:
Illuminating devices for the dental handpiece.

Relationships with other classification places
Light guide G02B 6/00.

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Item</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental laser</td>
<td>A61C 1/0046</td>
</tr>
<tr>
<td>Dental curing device by radiation</td>
<td>A61C 19/004</td>
</tr>
<tr>
<td>Diagnostic using light for oral/dental tissue e.g. carry detection</td>
<td>A61B 5/0088</td>
</tr>
<tr>
<td>Illuminating arrangement in general ceiling or like overhead structure</td>
<td>F21S 8/026</td>
</tr>
</tbody>
</table>

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Instrument for medical examination of mouth / with illuminating arrangements | A61B 1/24, A61B 1/06 |
| Instrument for medical examination of the mouth | A61B 1/24 |
| Device for illuminating surgical field (in relation with image producing) | A61B 90/30, A61B 90/36 |
A61C 1/142

{Operating tool blocking means}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Enabling torque transmission without clamping the tool | A61B 17/162 |

A61C 1/144

{constricting the operating tool, e.g. chuck}

Definition statement

This place covers:

Systems for clamping the tool.

A61C 1/145

{Instruments or accessories for tool holders}

Definition statement

This place covers:

For instruments not being part of the tool holder, e.g. separate instrument for removing the tool.

A61C 1/16

Protecting caps for hand-pieces or angle-pieces

Definition statement

This place covers:

Devices for protecting hand-pieces, e.g. covers to prevent cross-contamination.

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)

Relationships with other classification places

Flexible shafts in general F16C.

Clutches in general F16D.

A61C 1/181

{Bearings or lubricating arrangements, e.g. air-cushion bearings}

Relationships with other classification places

Bearing F16C.
A61C 1/183
{Jewel bearings}

Definition statement
This place covers:

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)

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Implanting tools</th>
<th>A61C 8/0089</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tools for fastening artificial teeth</td>
<td>A61C 13/12</td>
</tr>
<tr>
<td>Visual inspection devices, e.g. dental mirrors</td>
<td>A61B 1/24</td>
</tr>
</tbody>
</table>

A61C 3/005
{Brushes for applying dental compositions}

Relationships with other classification places
Brushes in general A46B.

A61C 3/03
Instruments operated by vibration

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Vibration producing handpiece</th>
<th>A61C 1/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chiselling scalers</td>
<td>A61C 17/18</td>
</tr>
</tbody>
</table>
A61C 3/06
Tooth grinding or polishing discs; Holders therefor {propylactic cups A61C 17/005}

References
Limiting references
This place does not cover:

Prophylactic cups A61C 17/005

A61C 5/00
Filling or capping teeth

Definition statement
This place covers:
Implements for filling or restoring the teeth, e.g. onlays, inlays.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

Prophylactic cups A61C 17/005

A61C 5/35
Pins; Mounting tools or dispensers therefor

Definition statement
This place covers:
Pins fixing the filling to the rest of the natural crown. The following drawing shows dental anchors.
References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

| Root pins | A61C 13/30 |

A61C 5/40

Implements for surgical treatment of the roots or nerves of the teeth; Nerve needles; Methods or instruments for medication of the roots

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Measuring instruments for measuring the length of the root canal of a tooth | A61C 19/041 |
| Devices for measuring the length of the root canal of a tooth | A61K 6/00 |

A61C 5/42

Files for root canals; Handgrips or guiding means therefor

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Guiding of dental instruments e.g. of drills | A61C 1/082 |
| Depth control | A61C 5/44 |
| Protective casings, e.g. boxes for instruments; Bags | A61C 19/02 |

A61C 5/44

Means for controlling working depth, e.g. supports or boxes with depth-gauging means, stop positioners or files with adjustably-mounted handles

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Stops for surgical instruments | A61B 2090/033 |
| Stops for drill | B23B 49/005 |
A61C 5/50
Implements for filling root canals; Methods or instruments for medication of tooth nerve channels

Definition statement
This place covers:
Instruments, devices for filling/sealing a root canal, pins made of gutta percha.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fastening of peg-teeth in the mouth</td>
<td>A61C 13/30</td>
</tr>
<tr>
<td>Rinsing tooth nerve channels</td>
<td>A61C 17/02</td>
</tr>
<tr>
<td>Composition of the fillings</td>
<td>A61K 6/02</td>
</tr>
</tbody>
</table>

A61C 5/60
Devices specially adapted for pressing or mixing capping or filling materials, e.g. amalgam presses

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brushes for applying dental materials</td>
<td>A61C 3/005</td>
</tr>
<tr>
<td>Trays for mixing substances</td>
<td>A61C 19/005</td>
</tr>
</tbody>
</table>

A61C 5/62
Applicators, e.g. syringes or guns

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Description</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispenser for dental impression materials</td>
<td>A61C 9/0026</td>
</tr>
</tbody>
</table>

A61C 5/64
for multi-component compositions

Relationships with other classification places
Mixing of materials B01F.
References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Two barrel syringes | B65D 81/325 |

A61C 5/70

Tooth crowns; Making thereof

Definition statement

This place covers:
Structure, shape of crowns.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Dental implants | A61C 8/00 |
| Superstructures for dental implants | A61C 8/0048 |
| Creation of the colour of crowns | A61C 13/082 |
| Methods or devices for soldering, casting, moulding or melting dental prostheses | A61C 13/20 |

A61C 5/77

Methods or devices for making crowns

Definition statement

This place covers:
Methods or devices specifically for manufacturing crowns.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Making bridge-work, inlays, implants or the like | A61C 13/0003 |
| Computer-assisted sizing or machining of dental prostheses | A61C 13/0004 |
| Methods or devices for soldering, casting, moulding or melting dental prostheses | A61C 13/20 |
A61C 5/82
Dams; Holders or clamps therefor

Definition statement
This place covers:
Dental dams or holders or clamps. The following illustration shows an example of a dental dam and clamp.

A61C 5/85
Filling bands, e.g. matrix bands; Manipulating tools therefor

Definition statement
This place covers:
Filling bands or manipulating tools for filling bands. The following illustration shows an example of a matrix filling band.
A61C 5/88
Wedges

**Definition statement**

*This place covers:*

Wedges for tooth crowns or for making tooth crowns. The following illustration shows an example of a tooth crown wedge.

![Teeth wedge](image)

A61C 5/90
Oral protectors for use during treatment, e.g. lip or mouth protectors
(*A61C 5/82 takes precedence*)

**References**

**Limiting references**

*This place does not cover:*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dams or Holders or clamps for tooth crowns</td>
<td>A61C 5/82</td>
</tr>
</tbody>
</table>

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instruments for opening or keeping open the mouth for medical examinations</td>
<td>A61B 1/24</td>
</tr>
<tr>
<td>Mouthpieces for tracheal tubes</td>
<td>A61M 16/0488</td>
</tr>
</tbody>
</table>

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*}}

**References**

**Limiting references**

*This place does not cover:*

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tools for placement of brackets</td>
<td>A61C 7/146</td>
</tr>
</tbody>
</table>
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)}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arch-shaped medicament applicators for teeth or gums</td>
<td>A61C 19/063</td>
</tr>
<tr>
<td>Anti-snoring devices, bruxism protective devices</td>
<td>A61F 5/566</td>
</tr>
<tr>
<td>Exercising devices</td>
<td>A63B 23/032</td>
</tr>
<tr>
<td>Mouthguards for protecting the teeth of sportsmen</td>
<td>A63B 71/085</td>
</tr>
</tbody>
</table>

A61C 7/14
Brackets (**A61C 7/28** takes precedence); Fixing brackets to teeth

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection of arch wires to brackets</td>
<td>A61C 7/28</td>
</tr>
</tbody>
</table>

A61C 7/143
{Brackets with two or more recesses for arch wires}

Definition statement
This place covers:
Brackets with two or more slots for receiving arch wires.

A61C 7/20
Arch wires (**A61C 7/28** takes precedence)

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection of arch wires to brackets</td>
<td>A61C 7/28</td>
</tr>
</tbody>
</table>
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)

References
Limiting references
This place does not cover:

| Fastening of peg-teeth in the mouth | A61C 13/30 |

A61C 8/0001
{Impression means for implants, e.g. impression coping}

Glossary of terms
In this place, the following terms or expressions are used with the meaning indicated:

| Analog transfer copings |

A61C 8/0006
{Periodontal tissue or bone regeneration (support means for endoprosthetic bone substitute or bone graft implants A61F 2/2846)}

References
Limiting references
This place does not cover:

| Instruments for sinus lifting | A61C 8/0092 |
| Sinus surgical tool | A61B 17/1688 |
| Compression or distraction mechanisms for jaw bones | A61B 17/663 |
| Bone prostheses for mandibular reconstruction | A61F 2/2803 |
| Support means for endoprosthetic bone substitute or bone graft implants | A61F 2/2846 |
| Tools for implanting bone graft | A61F 2/4601 |

A61C 8/0009
{Consolidating prostheses or implants, e.g. by means of stabilising pins (A61C 8/0031 takes precedence)}

References
Limiting references
This place does not cover:

| Juxtaosseous implants | A61C 8/0031 |
**A61C 8/001**

{Multiple implanting technique, i.e. multiple component implants introduced in the jaw from different directions}

**Definition statement**

*This place covers:*

Implants which are introduced laterally.

**A61C 8/0012**

{characterised by the material or composition, e.g. ceramics, surface layer, metal alloy (use of specific materials A61K 6/00)}

**Relationships with other classification places**

Materials for dental implants A61K 6/00.

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Special external bone-contacting surfaces, e.g. coating for improving bone ingrowth</th>
<th>A61F 2/30767</th>
</tr>
</thead>
<tbody>
<tr>
<td>Materials for coating prostheses</td>
<td>A61L 27/28</td>
</tr>
</tbody>
</table>

**A61C 8/0013**

{with a surface layer, coating}

**References**

**Limiting references**

*This place does not cover:*

<table>
<thead>
<tr>
<th>Roughness aspects</th>
<th>A61C 2008/0046</th>
</tr>
</thead>
</table>

**A61C 8/0015**

{being a conversion layer, e.g. oxide layer}

**Definition statement**

*This place covers:*

Dental implants with an outer surface treated chemically.
**A61C 8/0022**

{Self-screwing ([A61C 8/0028](#) takes precedence)}

**Definition statement**

This place covers:
Threaded dental implants.

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>Pins, needles; Head structures therefor</th>
<th>A61C 8/0028</th>
</tr>
</thead>
</table>

**A61C 8/0028**

{Pins, needles; Head structures therefor ([A61C 8/0004](#), [A61C 8/0009](#) take precedence)}

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>For consolidating natural teeth</th>
<th>A61C 8/0004</th>
</tr>
</thead>
<tbody>
<tr>
<td>For stabilising dental implants</td>
<td>A61C 8/0009</td>
</tr>
</tbody>
</table>

**A61C 2008/0046**

{Textured surface, e.g. roughness, microstructure ([A61C 8/0013](#) takes precedence)}

**References**

**Limiting references**

This place does not cover:

<table>
<thead>
<tr>
<th>Implants with microthreadings</th>
<th>A61C 8/0022</th>
</tr>
</thead>
</table>
A61C 8/0048

{Connecting the upper structure to the implant, e.g. bridging bars (A61C 8/0028 takes precedence)}

Definition statement

This place covers:
The upper structure is the part connected on top of the abutment or implant head; the "upper structure" can be the prosthesis (crown, bridge, etc) or an intermediate part connecting the prosthesis to the abutment/implant head.

References

Limiting references

This place does not cover:

| Connection to the remaining teeth | A61C 13/225 |
A61C 8/005

{Connecting devices for joining an upper structure with an implant member, e.g. spacers}

Definition statement

This place covers:
Dental implant abutments connecting the upper structure with the implant.

A61C 8/0051

{Abutment monobloc with restoration}

Definition statement

This place covers:
The abutment and the prosthesis form a one-piece element.
A61C 8/0075

{Implant heads specially designed for receiving an upper structure (if separable from the implant A61C 8/005)}

Definition statement

This place covers:

Monobloc implants; abutment being integral with the implant.

References

Limiting references

This place does not cover:

| Separable abutments | A61C 8/005 |
A61C 8/0078
{with platform switching, i.e. platform between implant and abutment}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A61C 8/0092
{for sinus lifting}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Sinus surgical tool                      | A61B 17/1688 |

A61C 9/00
Impression cups, {i.e. impression trays}; Impression methods {(computer-assisted sizing A61C 13/0004; instruments for determining occlusion A61C 19/05)}

References
Limiting references
This place does not cover:

| Computer-assisted sizing                        | A61C 13/0004 |
| Instruments for determining occlusion          | A61C 19/05   |
A61C 9/002
{Means or methods for correctly replacing a dental model, e.g. dowel pins; Dowel pin positioning means or methods}

Definition statement
This place covers:
Means for repositioning cut teeth of a dental model on a base.

A61C 9/0026
{Syringes or guns for injecting impression material; Mixing impression material for immediate use}

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Flow mixers</th>
<th>B01F 5/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixers with rotary stirring devices in fixed receptacles</td>
<td>B01F 7/00</td>
</tr>
</tbody>
</table>

A61C 11/001
{non-pivoting}

Definition statement
This place covers:
Articulators with non-pivoting upper model supporting part.

A61C 11/003
{with height adjustments thereof}

Definition statement
This place covers:
The distance between the upper and the lower dental casts is adjustable.

A61C 11/005
{with tracing devices}

Definition statement
This place covers:
Pens or drawing devices mounted on the articulator for drawing marking lines.
A61C 11/006
{with an occlusal plate}

Definition statement
This place covers:
Occlusal guide plate.

A61C 13/0004
{Computer-assisted sizing or machining of dental prostheses}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digitized impressions</td>
<td>A61C 9/004</td>
</tr>
<tr>
<td>Computer assisted design</td>
<td>G06F 17/50</td>
</tr>
<tr>
<td>Image analysis</td>
<td>G06T 7/00</td>
</tr>
<tr>
<td>Healthcare informatics</td>
<td>G16H</td>
</tr>
</tbody>
</table>

A61C 13/0007
{using sand blasting}

Relationships with other classification places
Abrasive blasting B24C.

A61C 13/0018
{using laser}

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stereolithographic techniques</td>
<td>A61C 13/0013</td>
</tr>
</tbody>
</table>

A61C 13/0025
{Linings}

Definition statement
This place covers:
Layer of a denture contacting the soft tissue or palate of a user.
A61C 13/082
{Cosmetic aspects, e.g. inlays; Determination of the colour (A61C 19/10 takes precedence)}

References
Limiting references
This place does not cover:

| Shade guides | A61C 19/10 |

A61C 13/083
Porcelain or ceramic teeth {(A61C 13/081 takes precedence; preparations A61K 6/02)}

References
Limiting references
This place does not cover:

| Preparations | A61K 6/02 |

A61C 13/0835
{Ceramic coating on metallic body}

References
Limiting references
This place does not cover:

| Forming processes of shaped ceramic products | C04B 35/622 |

A61C 13/1016
{Methods or apparatus for mounting, holding or positioning a set of teeth}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Palates made by casting | A61C 13/04 |
**A61C 13/12**

**Tools for fastening artificial teeth; Holders, clamps, or stands for artificial teeth**

((A61C 8/0089 takes precedence))

**Definition statement**

*This place covers:*

Tools for dental technicians to make or work with prostheses (not for use in the mouth).

**References**

**Limiting references**

*This place does not cover:*

| Dust removing on dental workplaces | A61C 19/007 |

**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)

**Relationships with other classification places**

Apparatus for curing, e.g. vulcanising, of plastics or substances in a plastic state B29C.

**References**

**Limiting references**

*This place does not cover:*

| Curing by radiation | A61C 19/003 |

**A61C 13/20**

**Methods or devices for soldering, casting, moulding or melting**

((A61C 13/04, A61C 13/081 take precedence))

**References**

**Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

| Sintering of metal powders | B22F 3/10 |
| Oven for dental parts | F27B 17/025 |
A61C 13/225
Fastening prostheses in the mouth (securing tooth crowns in capping teeth A61C 5/30)

References
Limiting references
This place does not cover:

| Securing tooth crowns in capping teeth | A61C 5/30 |

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Fastening on dental implants | A61C 8/0048 |

A61C 13/235
Magnetic fastening (A61C 8/0081 takes precedence); magnetic implants A61C 8/00

References
Limiting references
This place does not cover:

| Magnetic dental implant retention systems | A61C 8/0081 |

A61C 13/24
Fastening by suction {, i.e. total dentures (A61C 8/00, A61C 13/235, A61C 13/28 take precedence)}

References
Limiting references
This place does not cover:

| Implants supported restorations, connecting bars | A61C 8/0048 |
| Magnetic fastening | A61C 13/235 |
| Fastening by spring action between upper and lower denture | A61C 13/28 |

A61C 13/30
Fastening of peg-teeth in the mouth

Definition statement
This place covers:
Pins or posts for fixing a prosthesis like an artificial crown to a natural tooth root.
A61C 15/02
Toothpicks

References

Limiting references
This place does not cover:

Interdental cleaning band without sharp tip

Informative references
Attention is drawn to the following places, which may be of interest for search:

Brushes fitted with a toothpick

A61C 15/041
{Dental floss (chemical aspects A61Q 11/00)}

References

Informative references
Attention is drawn to the following places, which may be of interest for search:

Chemical aspects

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

References

Limiting references
This place does not cover:

Containers integrated in a flossing tool

Informative references
Attention is drawn to the following places, which may be of interest for search:

Packages and dispensers for sutures
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

References

Limiting references

This place does not cover:

- 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

A61C 17/005

{Devices for dental prophylaxis}

Definition statement

This place covers:

Cups to put pastes in, e.g. abrasive paste, fluoride paste; tools for rotating the cups.

A61C 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)

References

Limiting references

This place does not cover:

- Combined with receptacles for spittle A61C 17/14
- Combined with power-driven cleaning or polishing devices A61C 17/16

Informative references

Attention is drawn to the following places, which may be of interest for search:

- Air and water supply systems in dental machines A61C 1/0061
- Instruments acting like a sandblast machine A61C 3/025
A61C 17/0208
{combined with means providing suction (A61C 17/0211 takes precedence)}

References

Limiting references

This place does not cover:

| Specially adapted for rinsing the teeth of at least one jaw simultaneously | A61C 17/0211 |

A61C 17/036
{Cleaning devices for dental prostheses removed from the oral cavity}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Manual brushes for cleaning dentures | A46B 2200/1073 |
| Cleaning in general by methods involving liquid and sonic or ultrasonic vibrations | B08B 3/12 |

A61C 17/065
{characterised by provisions for processing the collected matter, e.g. for separating solids or air}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Similar devices for medical use | A61M 1/0056 |

A61C 17/08
Aspiration nozzles

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

| Aspiration combined with rinsing or liquid medication | A61C 17/0208 |
A61C 17/084
{with light sources}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Illuminating devices for the dental handpiece | A61C 1/088 |

A61C 17/088
{with mirrors}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Dentists' mirrors for medical examination of the mouth | A61B 1/247 |

A61C 17/16

Power-driven cleaning or polishing devices

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Other power driven brushes | A46B 13/02 |

A61C 17/18

Chiselling scalers (A61C 17/20 takes precedence)

References
Limiting references
This place does not cover:

| Cleaning or polishing devices using ultrasonics | A61C 17/20 |

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Instruments operated by vibration | A61C 3/03 |
A61C 17/20
using ultrasonics

Definition statement
This place covers:
Ultrasonic dental scalers, ultrasonic toothbrushes.

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental handpieces producing vibrations</td>
<td>A61C 1/07</td>
</tr>
<tr>
<td>Vibrating dental tools</td>
<td>A61C 3/03</td>
</tr>
</tbody>
</table>

A61C 17/22
with brushes, cushions, cups, or the like (brush bodies, e.g. arrangements of the bristles A46B)

Relationships with other classification places
Brush bodies, e.g. arrangements of the bristles A46B.

A61C 17/221
{Control arrangements therefor}

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time brushing control</td>
<td>A46B 15/0008</td>
</tr>
<tr>
<td>Control of brush life</td>
<td>A46B 15/001</td>
</tr>
<tr>
<td>Controlling pressure applied to the teeth</td>
<td>A46B 15/0012</td>
</tr>
</tbody>
</table>

A61C 17/222
{Brush body details, e.g. the shape thereof or connection to handle}

Relationships with other classification places
Arrangements of bristles A46B.
Material aspects of bristles A46D.
A61C 17/227
{with reservoirs, e.g. for toothpaste}

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Manual toothbrushes with reservoirs</th>
<th>A46B 11/00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power driven brushes with reservoirs</td>
<td>A46B 13/04</td>
</tr>
</tbody>
</table>

A61C 17/24
rotating continuously (A61C 17/40 takes precedence)

References
Limiting references
This place does not cover:

| With a nutating movement | A61C 17/40 |

A61C 17/30
driven by hydraulic motor, e.g. water motor

References
Informative references
Attention is drawn to the following places, which may be of interest for search:

| Power driven brushes | A46B 13/06 |

A61C 17/3409
{characterized by the movement of the brush body}

Definition statement
This place covers:
Power toothbrushes characterized by movements of the oscillating brush body.
A61C 17/3418
{Rotation around the axis of the toothbrush handle}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A61C 17/3427
{Rotation around the axis perpendicular to the axis of toothbrush handle and in the plane defined by the bristle holder}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.
A61C 17/3436

{Rotation around the axis perpendicular to the plane defined by the bristle holder}

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.

A61C 17/3445

{Translation along the axis of the toothbrush handle}

Definition statement

This place covers:
Illustrative example of subject matter classified in this group.
A61C 17/3454

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

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

---

A61C 17/3463

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

Definition statement

This place covers:

Illustrative example of subject matter classified in this group.

---

A61C 17/3472

{with combined movements of the brush body}

Special rules of classification

Brushes with combined motions are classified in A61C 17/3472 (but not A61C 17/3418 - A61C 17/3463) and are given separate Indexing Codes (A61C 17/3418 - A61C 17/3463) for each movement.
A61C 17/3481
{Vibrating brush body, e.g. by using eccentric weights}

Definition statement
This place covers:
Illustrative example of subject matter classified in this group.

A61C 17/349
{with multiple brush bodies}

Special rules of classification
The movements of the individual brush bodies are classified with the Indexing Codes (A61C 17/3418 - A61C 17/3463) and not the classes (A61C 17/3418 - A61C 17/3463).

A61C 19/00
Dental auxiliary appliances (dental chairs or accessories therefor, working stands whether or not combined with chairs A61G 15/00)

References
Limiting references
This place does not cover:

| Dental chairs or accessories therefor, working stands whether or not combined with chairs | A61G 15/00 |
| Model tooth/jaw for teaching | G09B 23/283 |
### A61C 19/001

{Holders for absorbent pads (absorbent pads per se A61F 13/00)}

**References**

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

<table>
<thead>
<tr>
<th>Absorbent pads per se</th>
<th>A61F 13/00</th>
</tr>
</thead>
</table>

### A61C 19/002

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

**Relationships with other classification places**

Cleaning in general B08B.

**References**

**Limiting references**

This place does not cover:

| Cleaning of devices for surgical instruments | A61B 90/70 |
| Disinfecting | A61L 2/00 |

### A61C 19/002

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

**References**

**Limiting references**

This place does not cover:

| Boxes for endodontic files | A61C 5/44 |

**Informative references**

Attention is drawn to the following places, which may be of interest for search:

| Support for drills | A61C 3/04 |
A61C 19/04
Measuring instruments specially adapted for dentistry ([A61C 5/44 takes precedence; testing vitality of teeth A61B 5/0534;] radiation diagnosis A61B 6/00)

References
Limiting references
This place does not cover:

| Means for controlling working depth | A61C 5/44 |
| Testing vitality of teeth            | A61B 5/0534 |
| Radiation diagnosis                  | A61B 6/00 |

Informative references
Attention is drawn to the following places, which may be of interest for search:

| Detecting caries with light           | A61B 5/0088 |
| Detecting tooth mobility              | A61B 5/1111 |
| Measurement of masticatory force      | A61B 5/228 |

A61C 19/08
combined with anaesthetising implements (dental hypodermic syringes A61M 5/00)

References
Limiting references
This place does not cover:

| Dental hypodermic syringes            | A61M 5/00 |

A61C 19/10
Supports for artificial teeth for transport or for comparison of the colour

References
Limiting references
This place does not cover:

| Measuring colour of teeth             | G01J 3/00 |