CPC  COOPERATIVE PATENT CLASSIFICATION

A  HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

A46  BRUSHWARE

A46B  BRUSHES (handles not integral with brushware B25G)

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - A46B 11/02 covered by A46B 11/00 or A46B 11/0017 or A46B 11/0017 or A46B 11/002
   - A46B 11/04 covered by A46B 11/00 or A46B 11/0013

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00  Brush bodies and bristles moulded as a unit

3/00  Brushes characterised by the way in which the bristles are fixed or joined in or on the brush body or carrier (machines or appliances therefor A46D)

3/005  .  .  .  [Bristle carriers and bristles moulded as a unit (A46B 1/00 takes precedence)]

3/02  .  by pitch carriers and other adhesives

3/04  .  by mouldable materials, e.g. metals, cellulose derivatives, plastics (A46B 1/00 takes precedence)

3/06  .  by welding together bristles made of metal wires or plastic materials

3/08  .  by clamping

3/10  .  .  into rings or the like

3/12  .  .  .  specially adapted for paint-brushes

3/14  .  .  .  specially adapted for street-cleaning or rail-cleaning brooms

3/16  .  by wires or other anchoring means, specially for U-shaped bristle tufts

3/18  .  the bristles being fixed on or between belts or wires

3/20  .  the bristles being fixed or joined in rubber bodies, e.g. in soft rubber

3/22  .  rubber bristles being fixed in or on brush bodies

5/00  Brush bodies; Handles integral with brushware

5/0004  .  .  .  [Additional brush head]

5/0008  .  .  [Brushes with two or more heads on the same end of a handle not intended for simultaneous use]

5/0012  .  .  [Brushes with two or more heads on the same end of a handle for simultaneous use, e.g. cooperating with each other]

5/0016  .  .  [Brushes with heads on opposite sides or ends of a handle not intended for simultaneous use]

5/002  .  [having articulations, joints or flexible portions]

5/0025  .  [Brushes with elastically deformable heads that change shape during use]

5/0029  .  .  [Head made of soft plastics, rubber or rubber inserts in plastics matrix]

5/0033  .  .  [bending or stretching or collapsing (A46B 7/023 takes precedence)]

5/0037  .  .  [Flexible resilience by plastic deformation of the material]

5/0041  .  .  .  [Mechanical joint or hinge, made up of several components]

5/0045  .  .  .  [Brushes articulated with more than one hinge]

5/005  .  .  .  [Brushes with a telescopic or similarly moveable portion]

5/0054  .  .  [designed to allow relative positioning of the head to body]

5/0058  .  .  .  [Mechanical joint or hinge made up of several components]

5/0062  .  .  .  [being flexible or resilient during use]

5/0066  .  .  .  [Flexible resilience by elastic deformation of the material]

5/007  .  .  .  [Inserts made of different material, e.g. springs, plates]

5/0075  .  .  .  [being adjustable and stable during use]

5/0079  .  .  .  [Adjustable and stable shaft or handle, e.g. generally in one piece]

5/0083  .  .  .  [Mechanical joint allowing adjustment in at least one plane]

5/0087  .  .  .  [Mechanical joint featuring a ball and socket]

5/0091  .  .  .  [promoting relative motion during use (bristle carriers moving during use A46B 7/06; driven brush bodies A46B 13/00)]

5/0095  .  .  [Removable or interchangeable brush heads]

5/002  .  [specially shaped for holding by the hand]

5/021  .  .  [ Grips or handles specially adapted to conform to the hand]

5/023  .  .  [ Grips or handles specially adapted for children]

5/025  .  .  [ Grips or handles specially adapted for handicapped persons]

5/026  .  .  [ Grips or handles having a nonslip section]

5/028  .  .  [ Handles featuring an adjustable thumbrest]

5/04  .  shaped as gloves or finger-stalls [or other special holding ways, e.g. by the tongue]

5/06  .  in the form of tapes, chains, flexible shafts, springs, [mats] or the like

7/00  Bristle carriers arranged in the brush body

7/002  .  in an expanding or articulating manner

7/003  .  [where the bristle carrier retracts or collapses, i.e. for storage]
Arrangements of the bristles in the brush body
9/005 . . (where the brushing material is not made of bristles, e.g. sponge, rubber or paper)
9/02 . . Position or arrangement of bristles in relation to surface of the brush body, e.g. inclined, in rows, in groups
9/021 . . [arranged like in cosmetics brushes, e.g. mascara, nail polish, eye shadow]
9/023 . . [arranged like in hair brushes, e.g. hair treatment, dyeing, streaking]
9/025 . . [the bristles or the tufts being arranged in an angled position relative to each other]
9/026 . . [where the surface of the brush body or carrier is not in one plane, e.g. not flat (A46B 9/005 takes precedence)]
9/028 . . [Bristle profile, the end of the bristle defining a surface other than a single plane or deviating from a simple geometric form, e.g. cylinder, sphere or cone]
9/04 . . [Arranged like in] for toothbrushes
9/045 . . [specially adapted for cleaning a plurality of tooth surfaces simultaneously]
9/06 . . Arrangement of mixed bristles or tufts of bristles, e.g. wire, fibre, rubber
9/065 . . [the bristles or the tufts being embedded in a different brushing material]
9/08 . . Supports or guides for bristles
9/10 . . Adjustable supports
9/12 . . Non-adjustable supports
11/00 Brushes with reservoir or other means for applying substances, e.g. paints, pastes, water (driven brush bodies A46B 13/00; [massage apparatus with liquid delivery A61H 7/002, A61H 2201/105]; applying liquids or other fluent materials to surfaces by liquid carrying members in general, e.g. by pads B05C 1/00, B05D 1/28)
11/0003 . . [containing only one dose of substance, e.g. single-use toothbrushes]
11/0006 . . [specially adapted to feed the bristle upper surface]
11/001 . . [with integral reservoirs (A46B 11/0003, A46B 11/0006 takes precedence)]
11/0013 . . [dispensing by gravity or by shaking]
11/0017 . . [with pre-presurised reservoirs, e.g. aerosols]
11/002 . . [pressurised at moment of use manually or by powered means]
11/0024 . . [with a permanently displaceable pressurising member that remain in position unless actuated, e.g. lead-screw or ratchet mechanisms, toothpaste tube twisting or rolling devices]
11/0027 . . [Lead-screw mechanisms]
11/0031 . . . . [Means for influencing rotation of the knob, e.g. ratchet, click mechanisms, one way clutches]
11/0034 . . . . [Means comprising a ratchet mechanism or equivalent for advancing the piston stepwise]
11/0037 . . . . [A piston or plunger advanced by direct pushing along the side of brush handle]
11/0041 . . . . [Flexible or deformable reservoirs, e.g. resilient bulbs, compressible tubes]
11/0044 . . . . [where a tube is rolled up transverse to long axis]
11/0048 . . . . [where a tube is twisted along length]
11/0051 . . . . [Peristaltic pump]
11/0055 . . . . [with a reciprocating piston or plunger acting as the pressurising means]
11/0058 . . . . [with a metered dosage]
11/0062 . . . . [Brushes where the reservoir is specifically intended for being refilled when empty]
11/0065 . . . . [Brushes where the reservoir is specifically intended for being replaced when empty]
11/0068 . . . . [Brushes where the reservoir is specifically intended for solid substance that dissolves gradually]
11/0072 . . [Details]
11/0075 . . . . [Means integral with the brush for opening, puncturing or piercing sealed reservoirs, e.g. on insertion]
11/0079 . . . . [Arrangements for preventing undesired leakage or dispensing]
11/0082 . . . . [Means for closing, sealing or controlling the flow using capillary action]
11/0086 . . . . [Means for closing or sealing, e.g. toothpaste outlet when brush not in use thereby preventing leakage or drying out]
11/0089 . . . . [Caps or covers for brushes]
11/0093 . . . . [Arrangements for catching drips or overflow]
11/0096 . . . . [Indication of the level of the remaining fluid, e.g. through transparent walls]
11/06 . . connected to supply pipe [or to other external supply means (A46B 11/0003 and A46B 11/0006 take precedence)]
11/063 . . . . [by means of a supply pipe]
11/066 . . . . [with means for introducing an additive, e.g. soap]
11/08 . . with heating means
13/00 Brushes with driven brush bodies (or carriers) (power-driven toothbrushes A61C 17/16)
13/001 . . [Cylindrical or annular brush bodies]
13/003 . . [made up of a series of annular brush rings; Annular brush rings therefor]
13/005 . . [made up of a series of longitudinal strips or segments]
13/006 . . [formed by winding a strip tuft in a helix about the body]
13/008 . . [Disc-shaped brush bodies]
13/02 . . power-driven [carriers]
13/023 . . [with means for inducing vibration to the bristles]
13/026 . . [Brushes which automatically reverse direction of rotation, e.g. using gravity switches]
13/04 . . with reservoir or other means for supplying substances
Other brushes; Brushes with additional arrangements

15/0002 . . . [Arrangements for enhancing monitoring or controlling the brushing process]
15/0004 . . . [with a controlling means]
15/0006 . . . [with a controlling brush technique device, e.g. stroke movement measuring device]
15/0008 . . . [with means for controlling duration, e.g. time of brushing]
15/001 . . . [with means indicating the remaining useful life of brush]
15/0012 . . . [with a pressure controlling device]
15/0014 . . . [with a controlling temperature device]
15/0016 . . . [with enhancing means]
15/0018 . . . [with antistatic properties]
15/002 . . . [with a means for removing or creating static electricity]
15/0022 . . . [with an electrical means]
15/0024 . . . [with means generating ions]
15/0026 . . . [with a magnetic means]
15/0028 . . . [with an acoustic means]
15/003 . . . [Enhancing with heat]
15/0032 . . . [with protrusion for polishing teeth]
15/0034 . . . [with a source of radiation, e.g. UV, IR, LASER, X-ray for irradiating the teeth and associated surfaces]
15/0036 . . . [with a lighting means, e.g. laser, bulb (A46B 15/0034 takes precedence)]
15/0038 . . . [with signalling means]
15/004 . . . [with an acoustic signalling means, e.g. noise]
15/0042 . . . [with musical signalling means]
15/0044 . . . [with light signalling means (A46B 15/0034, A46B 15/0036 takes precedence)]
15/0046 . . . [with vibrating signalling means]
15/0048 . . . [Drip collector, e.g. collecting the liquids dripping from the brush during a brushing process]
15/0051 . . . [Brushes fitted with ventilation means, e.g. with air buffers, air vents]
15/0053 . . . [Brushes fitted with ventilation suction, e.g. for removing dust (vacuum cleaner A47L 7/000)]
15/0055 . . . [Brushes combined with other articles normally separate from the brushing process, e.g. combs, razors, mirrors]
15/0057 . . . [Brushes fitted with a device for cleaning the ears]
15/0059 . . . [Brushes with a comb]
15/0061 . . . [with a container for accessories, e.g. pills, polish, condoms, cells (A46B 11/00 takes precedence)]
15/0063 . . . [Brushes with a device for opening containers, e.g. shoes polish (A46B 11/0093 takes precedence)]
15/0065 . . . [Brush with an additional cutting tool, e.g. nail clippers, hair cutting]
15/0067 . . . [Brushes fitted with a drinking device, i.e. brushes with devices allowing drinking]
15/0069 . . . [Brushes fitted with an interdental devices, e.g. toothpick (A46B 2200/108 takes precedence)]
15/0071 . . . [Toothbrushes with flossing arrangements (A61C 15/04 takes precedence)]
15/0073 . . . [Brushes with an arrangement for using the floss]
15/0075 . . . [Brushes with an additional massage device]
15/0077 . . . [Brushes fitted with a mirror]
15/0079 . . . [Brushes fitted with a razor or other shaving equipments]
15/0081 . . . [Brushes with a scraper, e.g. tongue scraper]
15/0083 . . . [Brushes with a shoehorn]
15/0085 . . . [Brushes provided with an identification, marking device or design]
15/0087 . . . [Brushes with decoration on or in the handle]
15/0089 . . . [Brushes with figurines such as animals on the handle]
15/0091 . . . [Container, e.g. bag or box with a collection of various devices]
15/0093 . . . [Magazines or sets of brushes components, e.g. plurality of brushes linked as a package]
15/0095 . . . [Brushes with a feature for storage after use]
15/0097 . . . [Self supporting, e.g. brushes that stand upright or in other particular ways]

17/00 Accessories for brushes

17/02 . . . Devices for holding brushes in use
17/04 . . . Protective covers for the bristles
17/06 . . . Devices for cleaning brushes after use
17/065 . . . [Sterilising brushes; products integral with the brush for sterilising, e.g. tablets, rinse, disinfectant]
17/08 . . . Other accessories, e.g. scrapers, rubber buffers for preventing damage to furniture

2200/00 Brushes characterized by their functions, uses or applications

2200/01 . . . Disposable brush (A46B 11/0003, A46B 5/0004 take precedence)
2200/10 . . . For human or animal care
2200/1006 . . . Brushes for cleaning the hand or the human body
2200/1013 . . . Brushes for cleaning fingers or finger nails
2200/102 . . . Brush specifically designed for massaging the skin or scalp (A46B 2200/1026 takes precedence)
2200/1026 . . . Gum massaging brush, i.e. specifically designed for massaging the gums
2200/1033 . . . Brush for applying or spreading shaving foam or soap
2200/104 . . . Hair brush (bristles arrangements for hair brushes A46B 9/023)
2200/1046 . . . Brush used for applying cosmetics (bristles arrangements for cosmetic brushes A46B 9/021)
2200/1053 . . . Cosmetics applicator specifically for mascara
2200/106 . . . Cosmetics applicator specifically for mascara including comb like element
2200/1066 . . . Toothbrush for cleaning the teeth or dentures (A61C 17/16 takes precedence; bristles arrangements for toothbrushes A46B 9/004)
2200/1073 . . . Denture toothbrush, i.e. used for dentures specifically
2200/108 . . . Inter-dental toothbrush, i.e. for cleaning interdental spaces specifically
2200/1086 . . . Toothbrush for cleaning animal teeth specifically
2200/1093 . . . Brush for use on animal (A46B 2200/1086 takes precedence)
2200/20 . . . Brushes for applying products to surfaces in general (A46B 2200/10 takes precedence)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>2200/202</td>
<td>. . . Applicator paint brush</td>
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<td>2200/205</td>
<td>. . . Artist paint brush, e.g. paint brushes that as a rule come to a point for fine work</td>
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<td>2200/207</td>
<td>. . . Food brush, i.e. used in cooking for applying substances on the surface of the food</td>
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<td>2200/30</td>
<td>. . Brushes for cleaning or polishing</td>
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<td>2200/3006</td>
<td>. . Brushes for cleaning bottles or hollow containers</td>
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<td>2200/3013</td>
<td>. . Brushes for cleaning the inside or the outside of tubes</td>
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<td>2200/302</td>
<td>. . Broom</td>
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<td>2200/3026</td>
<td>. . Dusting brush</td>
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<td>2200/3033</td>
<td>. . Household brush, i.e. brushes for cleaning in the house or dishes</td>
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<td>2200/304</td>
<td>. . Lavatory brush, i.e. brushes for cleaning toilets</td>
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<td>2200/3046</td>
<td>. . Brushes for cleaning cars or parts thereof</td>
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<td>2200/3053</td>
<td>. . Clothes brush, i.e. brushes specifically designed for cleaning clothes</td>
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<td>2200/306</td>
<td>. . Shoe cleaning or polishing brush</td>
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<td>2200/3066</td>
<td>. . Brush specifically designed for use with street cleaning machinery</td>
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<td>2200/3073</td>
<td>. . Brush for cleaning specific unusual places not otherwise covered, e.g. gutters, golf clubs, tops of tin cans, corners</td>
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<td>2200/308</td>
<td>. . Curling brooms</td>
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<td>2200/3086</td>
<td>. . Brushes for polishing</td>
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<tr>
<td>2200/3093</td>
<td>. . Brush with abrasive properties, e.g. wire bristles</td>
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<td>2200/40</td>
<td>. . Other application</td>
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<tr>
<td>2200/405</td>
<td>. . Brush used for purposes that are not conventional brushing, e.g. holder or support</td>
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