

CPC**COOPERATIVE PATENT CLASSIFICATION****A46B****BRUSHES** (handles not integral with brushware [B25G](#))**WARNING**

The following IPC groups are not used in the classification scheme. Subject matter covered by these groups is classified in the following 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](#)

A46B 1/00**Brush bodies and bristles moulded as a unit****A46B 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](#))[A46B 3/005](#)

- . {Bristle carriers and bristles moulded as a unit ([A46B 1/00](#) takes precedence)}

[A46B 3/02](#)

- . by pitch, resin, cement, or other adhesives

[A46B 3/04](#)

- . by mouldable materials, e.g. metals, cellulose derivatives, plastics ([A46B 1/00](#) takes precedence)

[A46B 3/06](#)

- . by welding together bristles made of metal wires or plastic materials

[A46B 3/08](#)

- . by clamping

[A46B 3/10](#)

- .. into rings or the like

[A46B 3/12](#)

- ... specially adapted for paint-brushes

[A46B 3/14](#)

- ... specially adapted for street-cleaning or rail-cleaning brooms

[A46B 3/16](#)

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

[A46B 3/18](#)

- . the bristles being fixed on or between belts or wires

[A46B 3/20](#)

- . the bristles being fixed or joined in rubber bodies, e.g. in soft rubber

[A46B 3/22](#)

- . rubber bristles being fixed in or on brush bodies

A46B 5/00**Brush bodies; Handles integral with brushware**[A46B 5/0004](#)

- . {Additional brush head}

[A46B 5/0008](#)

- .. {Brushes with two or more heads on the same end of a handle not intended for simultaneous use}

[A46B 5/0012](#)

- .. {Brushes with two or more heads on the same end of a handle for simultaneous use, e.g. cooperating with each-other}

[A46B 5/0016](#)

- .. {Brushes with heads on opposite sides or ends of a handle not intended for simultaneous use}

[A46B 5/002](#)

- . {having articulations, joints or flexible portions}

[A46B 5/0025](#)

- .. {Brushes with elastically deformable heads that change shape during use}

[A46B 5/0029](#)

- ... {Head made of soft plastics, rubber or rubber inserts in plastics matrix}

[A46B 5/0033](#)

- .. {bending or stretching or collapsing ([A46B 7/023](#) takes precedence)}

[A46B 5/0037](#)

- ... {Flexible resilience by plastic deformation of the material}

- A46B 5/0041 . . . {Mechanical joint or hinge, made up of several components}
- A46B 5/0045 . . . {Brushes articulated with more than one hinge}
- A46B 5/005 . . . {Brushes with a telescopic or similarly moveable portion}
- A46B 5/0054 . . {designed to allow relative positioning of the head to body}
- A46B 5/0058 . . . {Mechanical joint or hinge made up of several components}
- A46B 5/0062 . . . {being flexible or resilient during use}
- A46B 5/0066 {Flexible resilience by elastic deformation of the material}
- A46B 5/007 {Inserts made of different material e.g. springs, plates}
- A46B 5/0075 . . . {being adjustable and stable during use}
- A46B 5/0079 {Adjustable and stable shaft or handle, e.g. generally in one piece}
- A46B 5/0083 {Mechanical joint allowing adjustment in at least one plane}
- A46B 5/0087 {Mechanical joint featuring a ball and socket}
- A46B 5/0091 . . . {promoting relative motion during use (bristle carriers moving during use [A46B 7/06](#); driven brush bodies [A46B 13/00](#))}
- A46B 5/0095 . {Removable or interchangeable brush heads}
- A46B 5/02 . specially shaped for holding by the hand
- A46B 5/021 . . {Grips or handles specially adapted to conform to the hand}
- A46B 5/023 . . {Grips or handles specially adapted for children}
- A46B 5/025 . . {Grips or handles specially adapted for handicapped persons}
- A46B 5/026 . . {Grips or handles having a nonslip section}
- A46B 5/028 . . {Handles featuring an adjustable thumbrest}
- A46B 5/04 . shaped as gloves or finger-stalls { or other special holding ways e.g. by the tongue}
- A46B 5/06 . in the form of tapes, chains, flexible shafts, springs, {mats} or the like
- A46B 7/00** **Bristle carriers arranged in the brush body**
- A46B 7/02 . in an expanding or articulating manner
- A46B 7/023 . . {where the bristle carrier retracts or collapses, i.e. for storage}
- A46B 7/026 . . . {where the bristle carrier collapses}
- A46B 7/04 . interchangeably { removable bristle carriers}
- A46B 7/042 . . {Clip or snap connection for bristle carriers}
- A46B 7/044 . . {Sliding connections for bristle carriers}
- A46B 7/046 . . {Threaded or screw connections for bristle carriers}
- A46B 7/048 . . . {Lock screw to secure carriers}
- A46B 7/06 . movably during use, {i.e. the normal brushing action causing movement (driven brush bodies [A46B 13/00](#))}
- A46B 7/08 . . as a rotating disc
- A46B 7/10 . . as a rotating cylinder
- A46B 9/00** **Arrangements of the bristles in the brush body**
- A46B 9/005 . {where the brushing material is not made of bristles, e.g. sponge, rubber or paper}
- A46B 9/02 . Position or arrangement of bristles in relation to surface of the brush body, e.g. inclined, in rows, in groups

- A46B 9/021 .. {arranged like in cosmetics brushes, e.g. mascara, nail polish, eye shadow}
- A46B 9/023 .. {arranged like in hair brushes, e.g. hair treatment, dyeing, streaking}
- A46B 9/025 .. {the bristles or the tufts being arranged in an angled position relative to each other}
- A46B 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)}
- A46B 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}
- A46B 9/04 .. {Arranged like in or} for toothbrushes
- A46B 9/045 ... {specially adapted for cleaning a plurality of tooth surfaces simultaneously}
- A46B 9/06 . Arrangement of mixed bristles or tufts of bristles, e.g. wire, fibre, rubber
- A46B 9/065 .. {the bristles or the tufts being embedded in a different brushing material}
- A46B 9/08 . Supports or guides for bristles
- A46B 9/10 .. Adjustable supports
- A46B 9/12 .. Non-adjustable supports

- A46B 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)
- A46B 11/0003 . {containing only one dose of substance, e.g. single-use toothbrushes}
- A46B 11/0006 . {specially adapted to feed the bristle upper surface}
- A46B 11/001 . {with integral reservoirs (A46B 11/0003, A46B 11/0006 take precedence)}
- A46B 11/0013 .. {dispensing by gravity or by shaking}
- A46B 11/0017 .. {with pre-pressurised reservoirs, e.g. aerosols}
- A46B 11/002 .. {pressurised at moment of use manually or by powered means}
- A46B 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}
- A46B 11/0027 {Lead-screw mechanisms}
- A46B 11/0031 {Means for influencing rotation of the knob, e.g. ratchet, click mechanisms, one way clutches}
- A46B 11/0034 {Means comprising a ratchet mechanism or equivalent for advancing the piston stepwise}
- A46B 11/0037 {A piston or plunger advanced by direct pushing along the side of brush handle}
- A46B 11/0041 ... {Flexible or deformable reservoirs, e.g. resilient bulbs, compressible tubes}
- A46B 11/0044 {where a tube is rolled up transverse to long axis}
- A46B 11/0048 {where a tube is twisted along length}
- A46B 11/0051 {Peristaltic pump}
- A46B 11/0055 ... {with a reciprocating piston or plunger acting as the pressurising means}
- A46B 11/0058 ... {with a metered dosage}
- A46B 11/0062 .. {Brushes where the reservoir is specifically intended for being refilled when empty}

- A46B 11/0065 .. {Brushes where the reservoir is specifically intended for being replaced when empty}
- A46B 11/0068 .. {Brushes where the reservoir is specifically intended for solid substance that dissolves gradually}
- A46B 11/0072 . {Details}
- A46B 11/0075 .. {Means integral with the brush for opening, puncturing or piercing sealed reservoirs, e.g. on insertion}
- A46B 11/0079 .. {Arrangements for preventing undesired leakage or dispensing}
- A46B 11/0082 ... {Means for closing, sealing or controlling the flow using capillary action}
- A46B 11/0086 ... {Means for closing or sealing, e.g. toothpaste outlet when brush not in use thereby preventing leakage or drying out}
- A46B 11/0089 ... {Caps or covers for bristles}
- A46B 11/0093 .. {Arrangements for catching drips or overflow}
- A46B 11/0096 .. {Indication of the level of the remaining fluid, e.g. through transparent walls}
- A46B 11/06 . connected to supply pipe {or to other external supply means ([A46B 11/0003](#) and [A46B 11/0006](#) take precedence)}
- A46B 11/063 .. {by means of a supply pipe}
- A46B 11/066 ... {with means for introducing an additive, e.g. soap}
- A46B 11/08 . with heating means

A46B 13/00 **Brushes with driven brush bodies {or carriers}** ([power-driven toothbrushes A61C 17/16](#))

- A46B 13/001 . {Cylindrical or annular brush bodies}
- A46B 13/003 .. {made up of a series of annular brush rings; Annular brush rings therefor}
- A46B 13/005 .. {made up of a series of longitudinal strips or segments}
- A46B 13/006 .. {formed by winding a strip tuft in a helice about the body}
- A46B 13/008 . {Disc-shaped brush bodies}
- A46B 13/02 . Power-driven {carriers}
- A46B 13/023 .. {with means for inducing vibration to the bristles}
- A46B 13/026 .. {Brushes which automatically reverse direction of rotation, e.g. using gravity switches}
- A46B 13/04 .. with reservoir or other means for supplying substances
- A46B 13/06 ... with brush driven by the supplied medium
- A46B 13/08 . hand-driven

A46B 15/00 **Other brushes; Brushes with additional arrangements**

- A46B 15/0002 . {Arrangements for enhancing monitoring or controlling the brushing process}
- A46B 15/0004 .. {with a controlling means}
- A46B 15/0006 ... {with a controlling brush technique device, e.g. stroke movement measuring device}
- A46B 15/0008 ... {with means for controlling duration, e.g. time of brushing}
- A46B 15/001 ... {with means indicating the remaining useful life of brush}
- A46B 15/0012 ... {with a pressure controlling device}

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|--------------|------|---|
| A46B 15/0014 | ... | {with a controlling temperature device} |
| A46B 15/0016 | .. | {with enhancing means} |
| A46B 15/0018 | ... | {with antistatic properties} |
| A46B 15/002 | ... | {with a means for removing or creating static electricity} |
| A46B 15/0022 | ... | {with an electrical means} |
| A46B 15/0024 | ... | {with means generating ions} |
| A46B 15/0026 | ... | {with a magnetic means} |
| A46B 15/0028 | ... | {with an acoustic means} |
| A46B 15/003 | ... | {Enhancing with heat} |
| A46B 15/0032 | ... | {with protrusion for polishing teeth} |
| A46B 15/0034 | ... | {with a source of radiation, e.g. UV, IR, LASER, X-ray for irradiating the teeth and associated surfaces} |
| A46B 15/0036 | ... | {with a lighting means, e.g. laser, bulb (A46B 15/0034 takes precedence)} |
| A46B 15/0038 | .. | {with signaling means} |
| A46B 15/004 | ... | {with an acoustic signaling means, e.g. noise} |
| A46B 15/0042 | | {with musical signaling means} |
| A46B 15/0044 | ... | {with light signaling means (A46B 15/0034 , A46B 15/0036 takes precedence)} |
| A46B 15/0046 | ... | {with vibrating signaling means} |
| A46B 15/0048 | .. | {Drip collector, e.g. collecting the liquids dripping from the brush during a brushing process} |
| A46B 15/0051 | .. | {Brushes fitted with ventilation means, e.g. with air buffers, air vents} |
| A46B 15/0053 | .. | {Brushes fitted with ventilation suction, e.g. for removing dust (vacuum cleaner A47L 7/00)} |
| A46B 15/0055 | . | {Brushes combined with other articles normally separate from the brushing process, e.g. combs, razors, mirrors} |
| A46B 15/0057 | .. | {Brushes fitted with a device for cleaning the ears} |
| A46B 15/0059 | .. | {Brushes with a comb} |
| A46B 15/0061 | .. | {with a container for accessories, e.g. pills, polish, condoms, cells (A46B 11/00 takes precedence)} |
| A46B 15/0063 | .. | {Brushes with a device for opening containers, e.g. shoes polish (A46B 11/0093 takes precedence)} |
| A46B 15/0065 | .. | {Brush with an additional cutting tool, e.g. nail clippers, hair cutting} |
| A46B 15/0067 | .. | {Brushes fitted with a drinking device, i.e. brushes with devices allowing drinking} |
| A46B 15/0069 | .. | {Brushes fitted with a interdental devices, e.g. toothpick (A46B 2200/108 takes precedence)} |
| A46B 15/0071 | ... | {Toothbrushes with flossing arrangements (A61C 15/04 takes precedence)} |
| A46B 15/0073 | ... | {Brushes with an arrangement for using the floss} |
| A46B 15/0075 | .. | {Brushes with an additional massage device} |
| A46B 15/0077 | .. | {Brushes fitted with a mirror} |
| A46B 15/0079 | .. | {Brushes fitted with a razor or other shaving equipments} |
| A46B 15/0081 | .. | {Brushes with a scraper, e.g. tongue scraper} |
| A46B 15/0083 | .. | {Brushes with a shoehorn} |

- A46B 15/0085 . {Brushes provided with an identification, marking device or design}
- A46B 15/0087 . {Brushes with decoration on or in the handle}
- A46B 15/0089 . {Brushes with figurines such as animals on the handle}
- A46B 15/0091 . {Container, e.g. bag or box with a collection of various devices}
- A46B 15/0093 . {Magazines or sets of brushes components, e.g. plurality of brushes linked as a package}
- A46B 15/0095 . {Brushes with a feature for storage after use}
- A46B 15/0097 . {Self supporting, e.g. brushes that stand upright or in other particular ways}

A46B 17/00**Accessories for brushes**

- A46B 17/02 . Devices for holding brushes in use
- A46B 17/04 . Protective covers for the bristles
- A46B 17/06 . Devices for cleaning brushes after use
- A46B 17/065 . . {Sterilising brushes; products integral with the brush for sterilising, e.g. tablets, rinse, disinfectant}
- A46B 17/08 . Other accessories, e.g. scrapers, rubber buffers for preventing damage to furniture

A46B 2200/00**Brushes characterized by their functions, uses or applications**

- A46B 2200/01 . Disposable brush ([A46B 11/0003](#), [A46B 5/0004](#) take precedence)
- A46B 2200/10 . For human or animal care
 - A46B 2200/1006 . . Brushes for cleaning the hand or the human body
 - A46B 2200/1013 . . . Brushes for cleaning fingers or finger nails
 - A46B 2200/102 . . Brush specifically designed for massaging the skin or scalp ([A46B 2200/1026](#) takes precedence)
 - A46B 2200/1026 . . Gum massaging brush i.e. specifically designed for massaging the gums
 - A46B 2200/1033 . . Brush for applying or spreading shaving foam or soap
 - A46B 2200/104 . . Hair brush ([bristles arrangements for hair brushes A46B 9/023](#))
 - A46B 2200/1046 . . Brush used for applying cosmetics ([bristles arrangements for cosmetic brushes A46B 9/021](#))
 - A46B 2200/1053 . . . Cosmetics applicator specifically for mascara
 - A46B 2200/106 Cosmetics applicator specifically for mascara including comb like element
 - A46B 2200/1066 . . Toothbrush for cleaning the teeth or dentures ([A61C 17/16](#) takes precedence; [bristles arrangements for toothbrushes A46B 9/04](#))
 - A46B 2200/1073 . . . Denture toothbrush, i.e. used for dentures specifically
 - A46B 2200/108 . . . Inter-dental toothbrush, i.e. for cleaning interdental spaces specifically
 - A46B 2200/1086 . . . Toothbrush for cleaning animal teeth specifically
 - A46B 2200/1093 . . Brush for use on animal ([A46B 2200/1086](#) takes precedence)
- A46B 2200/20 . Brushes for applying products to surfaces in general ([A46B 2200/10](#) takes precedence)
 - A46B 2200/202 . . Applicator paint brush
 - A46B 2200/205 . . . Artist paint brush, e.g. paint brushes that as a rule come to a point for fine work
 - A46B 2200/207 . . Food brush, i.e. used in cooking for applying substances on the surface of the food

- A46B 2200/30 . Brushes for cleaning or polishing
- A46B 2200/3006 . . Brushes for cleaning bottles or hollow containers
- A46B 2200/3013 . . Brushes for cleaning the inside or the outside of tubes
- A46B 2200/302 . . Broom
- A46B 2200/3026 . . Dusting brush
- A46B 2200/3033 . . Household brush, i.e. brushes for cleaning in the house or dishes
- A46B 2200/304 . . Lavatory brush, i.e. brushes for cleaning toilets
- A46B 2200/3046 . . Brushes for cleaning cars or parts thereof
- A46B 2200/3053 . . Clothes brush, i.e. brushes specifically designed for cleaning clothes
- A46B 2200/306 . . Shoe cleaning or polishing brush
- A46B 2200/3066 . . Brush specifically designed for use with street cleaning machinery
- A46B 2200/3073 . . Brush for cleaning specific unusual places not otherwise covered, e.g. gutters, golf clubs, tops of tin cans, corners
- A46B 2200/308 . . Curling brooms
- A46B 2200/3086 . . Brushes for polishing
- A46B 2200/3093 . . Brush with abrasive properties, e.g. wire bristles
- A46B 2200/40 . Other application
- A46B 2200/405 . . Brush used for purposes that are not conventional brushing, e.g. holder or support