

**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 <a href="#">A46B 7/06</a> ; driven brush bodies <a href="#">A46B 13/00</a> )}
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
<b>A46B 7/00</b>	<b>Bristle carriers arranged in the brush body</b>
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 <a href="#">A46B 13/00</a> )}
A46B 7/08	. . as a rotating disc
A46B 7/10	. . as a rotating cylinder
<b>A46B 9/00</b>	<b>Arrangements of the bristles in the brush body</b>
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 helix 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}
- 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 signalling means}
- A46B 15/004 . . . {with an acoustic signalling means, e.g. noise}
- A46B 15/0042 . . . . {with musical signalling means}
- A46B 15/0044 . . . {with light signalling means ([A46B 15/0034](#), [A46B 15/0036](#) takes precedence)}
- A46B 15/0046 . . . {with vibrating signalling 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