

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 ... N: 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 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