

**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}

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 ( <a href="#">A46B 15/0034</a> 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 ( <a href="#">A46B 15/0034</a> , <a href="#">A46B 15/0036</a> 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 ( <a href="#">vacuum cleaner A47L 7/00</a> )}
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 ( <a href="#">A46B 11/00</a> takes precedence)}
A46B 15/0063	..	{ Brushes with a device for opening containers, e.g. shoes polish ( <a href="#">A46B 11/0093</a> 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 ( <a href="#">A46B 2200/108</a> takes precedence)}
A46B 15/0071	...	{ Toothbrushes with flossing arrangements ( <a href="#">A61C 15/04</a> 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