

**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 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

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