

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

[C2012.05]

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 11/00C2** 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 9/04E** 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](#); { message apparatus with liquid delivery [A61H 7/002](#), **K61H 201/04**}; 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 13/00B3J](#), [A46B 13/00B3K](#) 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