

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### PERSONAL OR DOMESTIC ARTICLES

#### A46 BRUSHWARE

#### A46B BRUSHES (handles not integral with brushware [B25G](#))

##### WARNINGS

- The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:  

<a href="#">A46B 11/02</a>	covered by	<a href="#">A46B 11/00</a> or <a href="#">A46B 11/0017</a> or <a href="#">A46B 11/0017</a> or <a href="#">A46B 11/002</a>
<a href="#">A46B 11/04</a>	covered by	<a href="#">A46B 11/00</a> or <a href="#">A46B 11/0013</a>
- In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<b>1/00</b>	<b>Brush bodies and bristles moulded as a unit</b>	5/0041	. . . {Mechanical joint or hinge, made up of several components}
<b>3/00</b>	<b>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 <a href="#">A46D</a>)</b>	5/0045	. . . {Brushes articulated with more than one hinge}
		5/005	. . . {Brushes with a telescopic or similarly moveable portion}
3/005	. {Bristle carriers and bristles moulded as a unit ( <a href="#">A46B 1/00</a> takes precedence)}	5/0054	. . {designed to allow relative positioning of the head to body}
3/02	. by pitch, resin, cement, or other adhesives	5/0058	. . . {Mechanical joint or hinge made up of several components}
3/04	. by mouldable materials, e.g. metals, cellulose derivatives, plastics ( <a href="#">A46B 1/00</a> takes precedence)	5/0062	. . . {being flexible or resilient during use}
3/06	. by welding together bristles made of metal wires or plastic materials	5/0066	. . . . {Flexible resilience by elastic deformation of the material}
3/08	. by clamping	5/007	. . . . {Inserts made of different material, e.g. springs, plates}
3/10	. . into rings or the like	5/0075	. . . {being adjustable and stable during use}
3/12	. . . specially adapted for paint-brushes	5/0079	. . . . {Adjustable and stable shaft or handle, e.g. generally in one piece}
3/14	. . . specially adapted for street-cleaning or rail-cleaning brooms	5/0083	. . . . {Mechanical joint allowing adjustment in at least one plane}
3/16	. by wires or other anchoring means, specially for U-shaped bristle tufts	5/0087	. . . . {Mechanical joint featuring a ball and socket}
3/18	. the bristles being fixed on or between belts or wires	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> )}
3/20	. the bristles being fixed or joined in rubber bodies, e.g. in soft rubber	5/0095	. {Removable or interchangeable brush heads}
3/22	. rubber bristles being fixed in or on brush bodies	5/02	. specially shaped for holding by the hand
<b>5/00</b>	<b>Brush bodies; Handles integral with brushware</b>	5/021	. . {Grips or handles specially adapted to conform to the hand}
5/0004	. {Additional brush head}	5/023	. . {Grips or handles specially adapted for children}
5/0008	. . {Brushes with two or more heads on the same end of a handle not intended for simultaneous use}	5/025	. . {Grips or handles specially adapted for handicapped persons}
5/0012	. . {Brushes with two or more heads on the same end of a handle for simultaneous use, e.g. cooperating with each-other}	5/026	. . {Grips or handles having a nonslip section}
5/0016	. . {Brushes with heads on opposite sides or ends of a handle not intended for simultaneous use}	5/028	. . {Handles featuring an adjustable thumbrest}
5/002	. {having articulations, joints or flexible portions}	5/04	. shaped as gloves or finger-stalls {or other special holding ways, e.g. by the tongue}
5/0025	. . {Brushes with elastically deformable heads that change shape during use}	5/06	. in the form of tapes, chains, flexible shafts, springs, {mats} or the like
5/0029	. . . {Head made of soft plastics, rubber or rubber inserts in plastics matrix}		
5/0033	. . {bending or stretching or collapsing ( <a href="#">A46B 7/023</a> takes precedence)}	<b>7/00</b>	<b>Bristle carriers arranged in the brush body</b>
5/0037	. . . {Flexible resilience by plastic deformation of the material}	7/02	. in an expanding or articulating manner
		7/023	. . {where the bristle carrier retracts or collapses, i.e. for storage}

- 7/026 . . . {where the bristle carrier collapses}
- 7/04 . interchangeably {removable bristle carriers}
- 7/042 . . {Clip or snap connection for bristle carriers}
- 7/044 . . {Sliding connections for bristle carriers}
- 7/046 . . {Threaded or screw connections for bristle carriers}
- 7/048 . . . {Lock screw to secure carriers}
- 7/06 . movably during use {, i.e. the normal brushing action causing movement ([driven brush bodies A46B 13/00](#))}
- 7/08 . . as a rotating disc
- 7/10 . . as a rotating cylinder
- 9/00 Arrangements of the bristles in the brush body**
- 9/005 . {where the brushing material is not made of bristles, e.g. sponge, rubber or paper}
- 9/02 . Position or arrangement of bristles in relation to surface of the brush body, e.g. inclined, in rows, in groups
- 9/021 . . {arranged like in cosmetics brushes, e.g. mascara, nail polish, eye shadow}
- 9/023 . . {arranged like in hair brushes, e.g. hair treatment, dyeing, streaking}
- 9/025 . . {the bristles or the tufts being arranged in an angled position relative to each other}
- 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](#))}
- 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}
- 9/04 . . {Arranged like in or} for toothbrushes
- 9/045 . . . {specially adapted for cleaning a plurality of tooth surfaces simultaneously}
- 9/06 . Arrangement of mixed bristles or tufts of bristles, e.g. wire, fibre, rubber
- 9/065 . . {the bristles or the tufts being embedded in a different brushing material}
- 9/08 . Supports or guides for bristles
- 9/10 . . Adjustable supports
- 9/12 . . Non-adjustable supports
- 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](#))**
- 11/0003 . {containing only one dose of substance, e.g. single-use toothbrushes}
- 11/0006 . {specially adapted to feed the bristle upper surface}
- 11/001 . {with integral reservoirs ([A46B 11/0003](#), [A46B 11/0006 take precedence](#))}
- 11/0013 . . {dispensing by gravity or by shaking}
- 11/0017 . . {with pre-pressurised reservoirs, e.g. aerosols}
- 11/002 . . {pressurised at moment of use manually or by powered means}
- 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}
- 11/0027 . . . . {Lead-screw mechanisms}
- 11/0031 . . . . . {Means for influencing rotation of the knob, e.g. ratchet, click mechanisms, one way clutches}
- 11/0034 . . . . . {Means comprising a ratchet mechanism or equivalent for advancing the piston stepwise}
- 11/0037 . . . . . {A piston or plunger advanced by direct pushing along the side of brush handle}
- 11/0041 . . . . {Flexible or deformable reservoirs, e.g. resilient bulbs, compressible tubes}
- 11/0044 . . . . . {where a tube is rolled up transverse to long axis}
- 11/0048 . . . . . {where a tube is twisted along length}
- 11/0051 . . . . . {Peristaltic pump}
- 11/0055 . . . . {with a reciprocating piston or plunger acting as the pressurising means}
- 11/0058 . . . . {with a metered dosage}
- 11/0062 . . {Brushes where the reservoir is specifically intended for being refilled when empty}
- 11/0065 . . {Brushes where the reservoir is specifically intended for being replaced when empty}
- 11/0068 . . {Brushes where the reservoir is specifically intended for solid substance that dissolves gradually}
- 11/0072 . {Details}
- 11/0075 . . {Means integral with the brush for opening, puncturing or piercing sealed reservoirs, e.g. on insertion}
- 11/0079 . . {Arrangements for preventing undesired leakage or dispensing}
- 11/0082 . . . . {Means for closing, sealing or controlling the flow using capillary action}
- 11/0086 . . . . {Means for closing or sealing, e.g. toothpaste outlet when brush not in use thereby preventing leakage or drying out}
- 11/0089 . . . . {Caps or covers for bristles}
- 11/0093 . . {Arrangements for catching drips or overflow}
- 11/0096 . . {Indication of the level of the remaining fluid, e.g. through transparent walls}
- 11/06 . connected to supply pipe {or to other external supply means ([A46B 11/0003](#) and [A46B 11/0006 take precedence](#))}
- 11/063 . . {by means of a supply pipe}
- 11/066 . . . . {with means for introducing an additive, e.g. soap}
- 11/08 . with heating means
- 13/00 Brushes with driven brush bodies {or carriers} (power-driven toothbrushes [A61C 17/16](#))**
- 13/001 . {Cylindrical or annular brush bodies}
- 13/003 . . {made up of a series of annular brush rings; Annular brush rings therefor}
- 13/005 . . {made up of a series of longitudinal strips or segments}
- 13/006 . . {formed by winding a strip tuft in a helix about the body}
- 13/008 . {Disc-shaped brush bodies}
- 13/02 . power-driven {carriers}
- 13/023 . . {with means for inducing vibration to the bristles}
- 13/026 . . {Brushes which automatically reverse direction of rotation, e.g. using gravity switches}
- 13/04 . . with reservoir or other means for supplying substances

- 13/06 . . . with brush driven by the supplied medium
- 13/08 . hand-driven

#### **15/00 Other brushes; Brushes with additional arrangements**

- 15/0002 . {Arrangements for enhancing monitoring or controlling the brushing process}
- 15/0004 . . {with a controlling means}
- 15/0006 . . . {with a controlling brush technique device, e.g. stroke movement measuring device}
- 15/0008 . . . {with means for controlling duration, e.g. time of brushing}
- 15/001 . . . {with means indicating the remaining useful life of brush}
- 15/0012 . . . {with a pressure controlling device}
- 15/0014 . . . {with a controlling temperature device}
- 15/0016 . . {with enhancing means}
- 15/0018 . . . {with antistatic properties}
- 15/002 . . . {with a means for removing or creating static electricity}
- 15/0022 . . . {with an electrical means}
- 15/0024 . . . {with means generating ions}
- 15/0026 . . . {with a magnetic means}
- 15/0028 . . . {with an acoustic means}
- 15/003 . . . {Enhancing with heat}
- 15/0032 . . . {with protrusion for polishing teeth}
- 15/0034 . . . {with a source of radiation, e.g. UV, IR, LASER, X-ray for irradiating the teeth and associated surfaces}
- 15/0036 . . . {with a lighting means, e.g. laser, bulb ([A46B 15/0034 takes precedence](#))}
- 15/0038 . . {with signalling means}
- 15/004 . . . {with an acoustic signalling means, e.g. noise}
- 15/0042 . . . . {with musical signalling means}
- 15/0044 . . . {with light signalling means ([A46B 15/0034, A46B 15/0036 takes precedence](#))}
- 15/0046 . . . {with vibrating signalling means}
- 15/0048 . . {Drip collector, e.g. collecting the liquids dripping from the brush during a brushing process}
- 15/0051 . . {Brushes fitted with ventilation means, e.g. with air buffers, air vents}
- 15/0053 . . {Brushes fitted with ventilation suction, e.g. for removing dust ([vacuum cleaner A47L 7/00](#))}
- 15/0055 . {Brushes combined with other articles normally separate from the brushing process, e.g. combs, razors, mirrors}
- 15/0057 . . {Brushes fitted with a device for cleaning the ears}
- 15/0059 . . {Brushes with a comb}
- 15/0061 . . {with a container for accessories, e.g. pills, polish, condoms, cells ([A46B 11/00 takes precedence](#))}
- 15/0063 . . {Brushes with a device for opening containers, e.g. shoes polish ([A46B 11/0093 takes precedence](#))}
- 15/0065 . . {Brush with an additional cutting tool, e.g. nail clippers, hair cutting}
- 15/0067 . . {Brushes fitted with a drinking device, i.e. brushes with devices allowing drinking}
- 15/0069 . . {Brushes fitted with a interdental devices, e.g. toothpick ([A46B 2200/108 takes precedence](#))}
- 15/0071 . . . {Toothbrushes with flossing arrangements ([A61C 15/04 takes precedence](#))}

- 15/0073 . . . {Brushes with an arrangement for using the floss}
- 15/0075 . . {Brushes with an additional massage device}
- 15/0077 . . {Brushes fitted with a mirror}
- 15/0079 . . {Brushes fitted with a razor or other shaving equipments}
- 15/0081 . . {Brushes with a scraper, e.g. tongue scraper}
- 15/0083 . . {Brushes with a shoehorn}
- 15/0085 . {Brushes provided with an identification, marking device or design}
- 15/0087 . {Brushes with decoration on or in the handle}
- 15/0089 . {Brushes with figurines such as animals on the handle}
- 15/0091 . {Container, e.g. bag or box with a collection of various devices}
- 15/0093 . {Magazines or sets of brushes components, e.g. plurality of brushes linked as a package}
- 15/0095 . {Brushes with a feature for storage after use}
- 15/0097 . {Self supporting, e.g. brushes that stand upright or in other particular ways}

#### **17/00 Accessories for brushes**

- 17/02 . Devices for holding brushes in use
- 17/04 . Protective covers for the bristles
- 17/06 . Devices for cleaning brushes after use
- 17/065 . . {Sterilising brushes; products integral with the brush for sterilising, e.g. tablets, rinse, disinfectant}
- 17/08 . Other accessories, e.g. scrapers, rubber buffers for preventing damage to furniture

#### **2200/00 Brushes characterized by their functions, uses or applications**

- 2200/01 . Disposable brush ([A46B 11/0003, A46B 5/0004 take precedence](#))
- 2200/10 . For human or animal care
- 2200/1006 . . Brushes for cleaning the hand or the human body
- 2200/1013 . . . Brushes for cleaning fingers or finger nails
- 2200/102 . . Brush specifically designed for massaging the skin or scalp ([A46B 2200/1026 takes precedence](#))
- 2200/1026 . . Gum massaging brush, i.e. specifically designed for massaging the gums
- 2200/1033 . . Brush for applying or spreading shaving foam or soap
- 2200/104 . . Hair brush ([bristles arrangements for hair brushes A46B 9/023](#))
- 2200/1046 . . Brush used for applying cosmetics ([bristles arrangements for cosmetic brushes A46B 9/021](#))
- 2200/1053 . . . Cosmetics applicator specifically for mascara
- 2200/106 . . . . Cosmetics applicator specifically for mascara including comb like element
- 2200/1066 . . Toothbrush for cleaning the teeth or dentures ([A61C 17/16 takes precedence; bristles arrangements for toothbrushes A46B 9/04](#))
- 2200/1073 . . . Denture toothbrush, i.e. used for dentures specifically
- 2200/108 . . . Inter-dental toothbrush, i.e. for cleaning interdental spaces specifically
- 2200/1086 . . . Toothbrush for cleaning animal teeth specifically
- 2200/1093 . . Brush for use on animal ([A46B 2200/1086 takes precedence](#))
- 2200/20 . Brushes for applying products to surfaces in general ([A46B 2200/10 takes precedence](#))

## A46B

- 2200/202 . . Applicator paint brush
- 2200/205 . . . Artist paint brush, e.g. paint brushes that as a rule come to a point for fine work
- 2200/207 . . Food brush, i.e. used in cooking for applying substances on the surface of the food
- 2200/30 . . Brushes for cleaning or polishing
- 2200/3006 . . Brushes for cleaning bottles or hollow containers
- 2200/3013 . . Brushes for cleaning the inside or the outside of tubes
- 2200/302 . . Broom
- 2200/3026 . . Dusting brush
- 2200/3033 . . Household brush, i.e. brushes for cleaning in the house or dishes
- 2200/304 . . Lavatory brush, i.e. brushes for cleaning toilets
- 2200/3046 . . Brushes for cleaning cars or parts thereof
- 2200/3053 . . Clothes brush, i.e. brushes specifically designed for cleaning clothes
- 2200/306 . . Shoe cleaning or polishing brush
- 2200/3066 . . Brush specifically designed for use with street cleaning machinery
- 2200/3073 . . Brush for cleaning specific unusual places not otherwise covered, e.g. gutters, golf clubs, tops of tin cans, corners
- 2200/308 . . Curling brooms
- 2200/3086 . . Brushes for polishing
- 2200/3093 . . Brush with abrasive properties, e.g. wire bristles
- 2200/40 . . Other application
- 2200/405 . . Brush used for purposes that are not conventional brushing, e.g. holder or support