

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

A44 HABERDASHERY; JEWELLERY

A44B **BUTTONS, PINS, BUCKLES, SLIDE FASTENERS, OR THE LIKE** (fastenings specially adapted for footwear [A43C](#))

NOTE

This subclass covers buckles or slide fasteners whether used as haberdashery or otherwise.

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:
[A44B 1/16](#) covered by [A44B 1/14](#)
- 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.

1/00	Buttons (setting on garments A41H 37/10 ; setting on footwear A43D 100/08 ; making buttons: see the relevant groups in the classes for making articles from particular materials)	3/04	• with head tiltable as a whole
1/02	• characterised by their material	3/06	• with head formed as two tiltable flaps
1/04	• Ornamental buttons	3/08	• with head and base separable
1/06	• Assembling of buttons (covering by braiding D04D)	5/00	Sleeve-links
1/08	• Constructional characteristics	5/002	• {with head tiltable as a whole}
1/10	• . washable	5/005	• {formed as two tiltable flaps}
1/12	• . covered by fabric	5/007	• {concealing a sewed-on button (buttons with replaceable coverings A44B 1/14)}
1/123	• . . {with a removable fabric covering}	5/02	• with separable parts
1/126	• . . {Manufacture not otherwise provided for}	6/00	Retainers or tethers for neckties, cravats, neckerchiefs, or the like, e.g. tie-clips, spring clips with attached tie-tethers, woggles, pins with associated sheathing members tetherable to clothing (tie-pins A44B 9/08 ; decorative or ornamental aspects A44C)
1/14	• . with replaceable {or protective} coverings {(removable fabric coverings A44B 1/123 ; sleeve-links concealing a sewed-on button A44B 5/007)}	7/00	Cards for buttons, collar-studs, or sleeve-links
1/18	• adapted for special ways of fastening	9/00	Hat, scarf, or safety pins or the like (decorative or ornamental aspect A44C ; hair pins A45D 8/02 ; sewing needles D05B 85/00)
1/185	• . {with quick, thread-like, anchoring means avoiding the use of a separate needle and thread}	9/02	• Simple pins
1/20	• . attached by thread visible to the front {(A44B 1/185 takes precedence)}	9/04	• . Ordinary pins
1/22	• . attached by thread not visible to the front {(A44B 1/185 takes precedence)}	9/06	• . Hat-pins (other fastening means for head coverings A42B 7/00)
1/24	• . . Eye-buttons	9/08	• . Tie-pins (pins with associated sheathing members tetherable to clothing A44B 6/00)
1/26	• . with resilient shank	9/10	• . Safety devices
1/28	• . with shank and counterpiece	9/12	• Safety-pins
1/30	• . . Screw-buttons	9/125	• . {made of plastics}
1/32	• . . Shank inserted into counterpiece and locked by sliding or rotating	9/14	• . Ordinary safety-pins
1/34	• . . with snap-action counterpiece	9/16	• . Brooches; Breast-pins
1/36	• . . with counterpiece in the form of cotter, split-pin, or the like	9/18	• . Hinges; Locking devices
1/38	• . Clamping by spring action	9/20	• Attaching heads of glass or the like to pin shafts
1/40	• . with helical wire-shank screwed into material	11/00	Buckles; Similar fasteners for interconnecting straps or the like, e.g. for safety belts
1/42	• . with deformable prongs	11/001	• {Ornamental buckles}
1/44	• . with deformable counterpiece		
3/00	Collar-studs		
3/02	• completely rigid		

- 11/003 . . {covered with cloth or other material; Making thereof}
- 11/005 . {Buckles combined with other articles, e.g. with receptacles}
- 11/006 . {Attachment of buckle to strap (for safety buckles [A44B 11/2553](#))}
- 11/008 . . {extensible}
- 11/02 . frictionally engaging surface of straps
- 11/04 . . without movable parts
- 11/06 . . with clamping devices
- 11/065 . . . {with strap tightening means ([A44B 11/125](#) takes precedence; tighteners for securing of load on vehicles [B60P 7/0823](#); buckles attached to the end of a strap for bundling articles [B65D 63/16](#))}
- 11/08 . . . roller displaceable in wedge-shaped slot
- 11/10 . . . sliding wedge
- 11/12 . . . turnable clamp
- 11/125 {with strap tightening means}
- 11/14 with snap-action
- 11/16 . . Strap held by spring action
- 11/18 . . Strap held by threading through linked rings
- 11/20 . engaging holes or the like in strap
- 11/22 . . Buckle with fixed prong
- 11/223 . . . {fixed on a movable element}
- 11/226 . . . {with cover plate}
- 11/24 . . Buckle with movable prong
- 11/25 . . with two or more separable parts
- 11/2503 . . {Safety buckles (safety belts in vehicles [B60R 22/00](#); safety belts for aircraft [B64D 25/02](#))}
- 11/2507 . . . {actuated by a push-button}
- 11/2511 {acting perpendicularly to the main plane of the buckle, e.g. placed on the front face of the buckle}
- 11/2515 {acting parallel to the main plane of the buckle and perpendicularly to the direction of the fastening action}
- 11/2519 {with two buttons acting in opposite directions}
- 11/2523 {acting parallel to the main plane of the buckle and in the same direction as the fastening action}
- 11/2526 . . . {with an operating lever}
- 11/253 {acting in the same plane or in a plane parallel to the main plane of the buckle}
- 11/2534 . . . {with the sliding motion of the buckle providing the opening or closing action}
- 11/2538 . . . {with a pivoting bar retaining a loop of the strap itself}
- 11/2542 . . . {actuated by a rotatable element, e.g. combined with other actuating means}
- 11/2546 . . . {Details}
- 11/2549 {Fastening of other buckle elements to the main buckle (buckles with several tongues released by the same mechanism [A44B 11/2507](#) - [A44B 11/2542](#))}
- 11/2553 {Attachment of buckle to strap}
- 11/2557 {with strap length adjustment}
- 11/2561 {Tongue elements}
- 11/2565 {Illuminated buckles}
- 11/2569 {Safety measures (buckles for releasing in a vehicle emergency [B60R 22/32](#); control, alarm, or interlock systems for the correct application of safety belt buckles in vehicles [B60R 22/48](#))}
- 11/2573 {Locking means preventing an unauthorised opening, e.g. by children}
- 11/2576 {Buckle covers}
- 11/258 . . . {fastening by superposing one part on top of the other ([A44B 11/2503](#) takes precedence)}
- 11/2584 {followed by sliding in the main plane of the buckle}
- 11/2588 {combined with one buckle element rotating or pivoting}
- 11/2592 . . . {fastening by sliding in the main plane or a plane parallel to the main plane of the buckle ([A44B 11/2503](#), [A44B 11/2584](#) take precedence)}
- 11/2596 {the movement being transverse to the longitudinal direction of the strap or chain}
- 11/26 . . with push-button fastenings {([A44B 11/2507](#) takes precedence; press-button fasteners [A44B 17/00](#))}
- 11/263 {with a push-button acting perpendicularly to the main plane of the buckle}
- 11/266 {with at least one push-button acting parallel to the main plane of the buckle and perpendicularly to the direction of the fastening action}
- 11/28 . . with hooks engaging end-pieces on the strap {([A44B 11/2503](#) takes precedence)}
- 13/00 Hook or eye fasteners**
- 13/0005 . {characterised by their material ([A44B 13/0052](#) and [A44B 13/0058](#) take precedence)}
- 13/0011 . . {made of wire}
- 13/0017 . . {made of metal plate}
- 13/0023 . . {made of plastics}
- 13/0029 . {characterised by their way of fastening to the support ([A44B 13/0052](#) and [A44B 13/0058](#) take precedence)}
- 13/0035 . . {using prongs}
- 13/0041 . . . {and a backing element on which prongs are bent over}
- 13/0047 . . {welded or moulded}
- 13/0052 . {Strips of hook or eye fasteners}
- 13/0058 . {Eyelets or grommets}
- 13/0064 . . {characterised by their material}
- 13/007 {made of plastics}
- 13/0076 . . {characterised by their way of fastening to the support}
- 13/0082 {by riveting}
- 13/0088 {by separable snap connection}
- 13/0094 {welded or moulded}
- 13/02 . with spring closure of hook
- 15/00 Key-rings**
- 15/002 . {Separable rings}
- 15/005 . {Fobs}
- 15/007 . {Openers}
- 17/00 Press-button or snap fasteners**
- 17/0005 . {Fastening of press-button fasteners ([A44B 17/0017](#) and [A44B 17/0035](#) take precedence)}
- 17/0011 . {Press-button fasteners in which the elastic retaining action is obtained by a spring working in the plane of the fastener}

- 17/0017 . . {Their fastening}
- 17/0023 . {Press-button fasteners in which the elastic retaining action is obtained by the own elasticity of the material constituting the fastener}
- 17/0029 . {Press-button fasteners made of plastics}
- 17/0035 . . {Their fastening}
- 17/0041 . {Press-button fasteners consisting of two parts ([A44B 17/0029](#) takes precedence)}
- 17/0047 . {Press-button fasteners consisting of three parts ([A44B 17/0029](#) takes precedence)}
- 17/0052 . {Press-button fasteners consisting of four parts ([A44B 17/0029](#) takes precedence)}
- 17/0058 . {Strips of press-button fasteners}
- 17/0064 . {Details}
- 17/007 . . {Stud-member}
- 17/0076 . . {Socket member}
- 17/0082 . . {Decoration}
- 17/0088 . . {made from sheet metal}
- 17/0094 . . {made from solid metal}
- 18/00 Fasteners of the touch-and-close type; Making such fasteners (making pile fabrics D03, D04)**
- 18/0003 . {Fastener constructions ([A44B 18/0023](#), [A44B 18/0046](#) take precedence)}
- 18/0007 . . {in which each part has similar elements}
- 18/0011 . . {Female or loop elements ([A44B 18/0007](#) takes precedence)}
- 18/0015 . . {Male or hook elements ([A44B 18/0007](#) takes precedence)}
- 18/0019 . . . {of a mushroom type}
- 18/0023 . {Woven or knitted fasteners}
- 18/0026 . . {Devices for cutting loops into hooks ([cutting pile loops D06C 13/08](#))}
- 18/003 . . {in which each part has similar elements}
- 18/0034 . . {Female or loop elements ([A44B 18/003](#) takes precedence)}
- 18/0038 . . {Male or hook elements ([A44B 18/003](#) takes precedence)}
- 18/0042 . . . {of a mushroom type}
- 18/0046 . {Fasteners made integrally of plastics}
- 18/0049 . . {obtained by moulding processes ([compression moulding or articles of indefinite length characterised by the shape of the surface B29C 43/222](#); [screen moulding B29C 67/08](#))}
- 18/0053 . . {in which each part has similar elements}
- 18/0057 . . {Female or loop elements ([A44B 18/0053](#) takes precedence)}
- 18/0061 . . {Male or hook elements ([A44B 18/0053](#) takes precedence)}
- 18/0065 . . . {of a mushroom type}
- 18/0069 . {Details}
- 18/0073 . . {Attaching means}
- 18/0076 . . {Adaptations for being fixed to a moulded article during moulding}
- 18/008 . . {Hooks or loops provided with means to reinforce the attachment, e.g. by adhesive means ([tab fastener elements for absorbent pads combining adhesive and mechanical fastening A61F 13/581](#))}
- 18/0084 . . {Double-sided}
- 18/0088 . . {Mixed male and female members}
- 18/0092 . . {flame retardant}
- 18/0096 . . {Shape memory materials}
- 19/00 Slide fasteners**
- 19/02 . . with a series of separate interlocking members secured to each stringer tape
- 19/04 . . . Stringers arranged edge-to-edge when fastened {, e.g. abutting stringers}
- 19/06 . . . with substantially rectangular members having interlocking projections and pieces
- 19/08 . . . Stringers arranged side-by-side when fastened, e.g. at least partially superposed stringers
- 19/10 . with a one-piece interlocking member on each stringer tape
- 19/12 . . Interlocking member in the shape of a continuous helix
- 19/14 . . Interlocking member formed by a profiled or castellated edge
- 19/16 . . Interlocking member having uniform section throughout the length of the stringer {(for sacks or bags [B65D 33/2508](#))}
- 19/18 . with a third member or members, other than the slider, connected to the edges of adjacent stringers when closed, e.g. third member moved into position by a slider
- 19/20 . . the third member being embraced by the stringers
- 19/22 . . the third member embracing the stringers
- 19/24 . Details
- 19/26 . . Sliders
- 19/262 . . . {Pull members; Ornamental attachments for sliders}
- 19/265 . . . {with means for preventing the accidental intrusion of material into the slider body, e.g. with shield or guard}
- 19/267 . . . {for slide fasteners with edges of stringers having uniform section throughout the length thereof ([for sacks or bags B65D 33/2508](#))}
- 19/28 . . . constructed to be removable from at least one stringer {; Sliders with movable parts to permit releasing of the slider in the event of jamming or obstruction}
- 19/285 {Tools for opening or closing slide fasteners}
- 19/30 . . . with means for locking in position
- 19/301 {at the end of their upward travel with any suitable device, e.g. pull member combined with a press-button, a hook, a key-operated lock}
- 19/303 {Self-locking sliders, e.g. slider body provided with locking projection or groove, friction means}
- 19/305 {in the form of a locking prong protruding from the pull member}
- 19/306 {in the form of a locking spring member actuated by the pull member}
- 19/308 {in the form of a spring-actuated locking member actuated by the pull member}
- 19/32 . . Means for making slide fasteners gas or watertight
- 19/34 . . Stringer tapes ([A44B 19/40](#) takes precedence); Flaps secured to stringers for covering the interlocking members ([A44B 19/32](#) takes precedence {; setting slide or glide fastener elements on garments [A41H 37/06](#))}
- 19/343 . . . {Knitted stringer tapes}
- 19/346 . . . {Woven stringer tapes ([weaving of tapes D03D 1/00](#))}

- 19/36 . . Means for permanently uniting the stringers at the end; Means for stopping movement of slider at the end
- 19/38 . . Means at the end of stringer by which the slider can be freed from one stringer, e.g. stringers can be completely separated from each other
- 19/382 . . . {"Two-way" or "double-acting" separable slide fasteners }
- 19/384 . . . {Separable slide fasteners with quick opening devices }
- 19/386 {Top end stop means for quick opening slide fasteners }
- 19/388 {Bottom end stop means for quick opening slide fasteners }
- 19/40 . . Connection of separate, or one-piece, interlocking members to stringer tapes; Reinforcing such connections, e.g. by stitching
- 19/403 . . . {Connection of separate interlocking members }
- 19/406 . . . {Connection of one-piece interlocking members }
- 19/42 . Making by processes not fully provided for in one other class, e.g. [B21D 53/50](#), [B21F 45/18](#), [B22D 17/16](#), [B29D 5/00](#) {(attaching closure devices, e.g. slide fasteners, to bags [B31B 70/813](#); making package opening by applying or incorporating profile strips, e.g. for reclosable bags [B65B 61/188](#)) }
- 19/44 . . Securing metal interlocking members to ready-made stringer tapes ([making metal slide fastener parts combined with attaching B21D 53/52](#))
- 19/46 . . . Securing separate interlocking members
- 19/48 Arranging interlocking members before securing ([article handling devices associated with conveyors in general B65G 47/00](#), e.g. [B65G 47/14](#))
- 19/50 . . . Securing one-piece interlocking members
- 19/52 . . Securing the interlocking members to stringer tapes while making the latter
- 19/54 . . . while weaving the stringer tapes
- 19/56 . . . while knitting the stringer tapes
- 19/58 . . Removing interlocking members to produce gaps
- 19/60 . . Applying end stops upon stringer tapes
- 19/62 . . Assembling sliders in position on stringer tapes
- 19/64 . . . Slider holders for assemblage of slide fasteners
- 99/00 Subject matter not provided for in other groups of this subclass**
- 99/005 . {Turn-button fasteners }