A43C FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL

**WARNING**

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 Shoe lacing fastenings (garment fastening devices A41F)
  1/003 . [Zone lacing, i.e. whereby different zones of the footwear have different lacing tightening degrees, using one or a plurality of laces (laces combined with another system A43C 11/008; zone tightening using straps A43C 11/14)]
  1/006 . [Rear lacing, i.e. with a lace placed on the back of the foot in place of, or in addition to the traditional front lace]
  1/02 . with elastic laces
  1/04 . with rings or loops
  1/06 . tightened by draw-strings

3/00 Hooks for laces (making from sheet metal B21D 53/46); Guards for hooks
  3/02 . Lacing-hooks with guide rollers
  3/04 . Spring safety-hooks

5/00 Eyelets (machines for setting eyelets A43D 100/00)

7/00 Holding-devices for laces
  7/005 . [the devices having means to hold the traditional knots or part of it tightened]
  7/02 . Flaps; Pockets
  7/04 . Hinged devices
  7/06 . Elastic bands
  7/08 . Clamps drawn tight by laces

9/00 Laces; Laces in general for garments made of textiles, leather, or plastics
  9/02 . provided with tags, buttons, or decorative tufts
  9/04 . Forming ends of laces of plastics, celluloid, rubber, or the like
  9/06 . Releasable ends of laces
  9/08 . made of paper or wire

11/00 Other fastenings specially adapted for shoes (dress fastenings in general A44B)
  11/002 . [Fastenings using stretchable material attached to cuts in the uppers]
  11/004 . [Fastenings fixed along the upper edges of the uppers]
  11/006 . . [Elastic fastenings]
  11/008 . [Combined fastenings, e.g. to accelerate undoing or fastening]
  11/02 . Button fastenings
  11/04 . . Studs; Fastening same

11/06 . Snap-button fastenings
11/08 . Hook fastenings; Rotary hooks
11/10 . . Hooks with several tongues
11/12 . . Slide or glide fastenings
11/14 . . Clamp fastenings, e.g. strap fastenings; Clamp-buckle fastenings; Fastenings with toggle levers
11/1406 . . [Fastenings with toggle levers; Equipment therefor]
11/1413 . . . [Equipment for fastening toggle lever fastenings]
11/142 . . . [Fastenings with toggle levers with adjustment means provided for on the shoe, e.g. rack]
11/1426 . . . [characterised by the attachment of the rack to the footwear]
11/1433 . . . [characterised by means to decrease required force for the closure movement of the toggle lever]
11/144 . . . [characterised by means to retain the preferred position on the rack when the fastening means are in the loosened position]
11/1446 . . . [characterised by special protection means to prevent damage or accidental loosening of the fastening means]
11/1453 . . . [characterised by the shape of the teeth on the rack]
11/146 . . . [Fastenings with toggle levers with adjustment means provided for on the strap, e.g. ratchet strap]
11/1466 . . . [characterised by means to decrease required force for the closure movement of the toggle lever]
11/1473 . . . [characterised by means to retain the preferred position on the strap when the fastening means are in the loosened position]
11/148 . . . [characterised by special protection means to prevent damage or accidental loosening of the fastening means]
11/1486 . . . [characterised by the shape of the teeth on the ratchet strap]
11/1493 . . . [Strap fastenings having hook and loop-type fastening elements]
11/16 . . Fastenings secured by wire, bolts, or the like
11/165 . . . [characterised by a spool, reel or pulley for winding up cables, laces or straps by rotation]
11/18 . . Fastenings of the lazy-tongs type
11/20 . Fastenings with tightening devices mounted on the tongue
11/22 . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
11/24 . Ornamental buckles or other ornaments for shoes, with fastening function (buckles in general A44B 11/00)

13/00 Wear-resisting attachments
13/02 . Metal plates for soles or heels
13/04 . Cleats; Simple studs; Screws; Hob-nails
13/06 . Attachments for edges of soles, especially for ski boots
13/08 . . with rubber, plastics, leather, felt or like parts
13/10 . . made from wire
13/12 . Releasable protecting-soles of metal (soles of metal A43B 3/10)
13/14 . Special attachments for toe-caps; Protecting caps for toe-caps

15/00 Non-skid devices or attachments (apparatus for climbing poles, trees, or the like A63B 27/00)
15/005 . (Nails, pins)
15/02 . attached to the sole
15/04 . attached to the heel
15/06 . Ice-gripping devices or attachments, e.g. ice-spurs, ice-cleats, ice-creepers, crampons; Climbing devices or attachments, e.g. mountain climbing irons (A43C 15/09 takes precedence; ice-spurs for horseshoes A01L 7/08)
15/061 . . (Ice-gripping devices or attachments, e.g. ice-cleats, ice-creepers)
15/063 . . . (with ice-gripping means projecting from the front foot region)
15/065 . . . (with ice-gripping means projecting from the region directly in front of the heel)
15/066 . . . (with ice-gripping means projecting from the heel area, e.g. ice spurs)
15/068 . . (Climbing devices or attachments, e.g. glacier crampons, mountain climbing irons)
15/08 . . Reversible ice-spikes
15/09 . Equipment associated with footwear for walking on inclines to compensate for angle of inclination
15/10 . Non-skid attachments made of wire, chain, or other meshed material
15/12 . Small releasable non-slip straps
15/14 . with outwardly-movable spikes
15/16 . Studs {or cleats} for football or like boots
15/161 . . (characterised by the attachment to the sole)
15/162 . . (characterised by the shape)
15/164 . . . (having a circular cross section)
15/165 . . . . (pointed or conical, e.g. calks, spikes, pins)
15/167 . . . . (frusto-conical or cylindrical)
15/168 . . . (with resilient means, e.g. shock absorbing means)
15/18 . Serrated grips

17/00 Spurs
17/02 . Spurs; Means for fastening spurs
17/04 . Releasable spur fastenings
17/06 . Collapsible spurs

19/00 Attachments for footwear, not provided for in other groups of this subclass