COOPERATIVE PATENT CLASSIFICATION

HUMAN NECESSITIES

PERSONAL OR DOMESTIC ARTICLES

FOOTWEAR

CHARACTERISTIC FEATURES OF FOOTWEAR; PARTS OF FOOTWEAR

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   A43B 21/10 - A43B 21/16  covered by  A43B 21/06
   A43B 21/34  covered by  A43B 21/24

2. 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.

Characteristic features of footwear

1/00  Footwear characterised by the material (layered products B32B)

1/0009  .  [Footwear made at least partially of alveolar or honeycomb material]

1/0018  .  [Footwear made at least partially of flexible, bellow-like shaped material]

1/0027  .  [Footwear made at least partially from a material having special colours]

1/0036  .  [with fluorescent or phosforescent parts]

1/0045  .  [Footwear made at least partially of deodorant means]

1/0054  .  [Footwear provided with magnets, magnetic parts or magnetic substances]

1/0063  .  [Footwear made at least partially of material that can be recycled]

1/0072  .  [Footwear made at least partially of transparent or translucent materials]

1/0081  .  [Footwear made at least partially of hook-and-loop type material (hook and loop-type straps for fastening purpose A43C 11/1/493)]

1/009  .  [Footwear made at least partially of washable material]

1/02  .  Footwear made of animal or plant fibres or fabrics made therefrom

1/04  .  .  Braided, knotted, knitted, or crocheted footwear

1/06  .  Footwear made of wood, cork, card-board, paper or like fibrous material (soles A43B 13/00; making of wooden shoes B27M 3/20)

1/08  .  Footwear made of metal (soles A43B 13/10)

1/10  .  Footwear made of rubber

1/12  .  .  of rubber waste

1/14  .  Footwear made of gutta-percha, celluloid, or plastics

3/00  Footwear characterised by the shape or the use

3/0005  .  [Footwear provided with electrical or electronic systems]

3/001  .  .  [Footwear provided with light source]

3/0015  .  .  [Footwear provided with generator]

3/0021  .  .  [Footwear provided with sound or music source]
Characteristic features of footwear

- Footwear for sporting purposes (non-ski devices, e.g. ice-spurs, studs for football shoes, A43C 15/00)
  - Golf shoes
  - Mountain boots or shoes
  - [for free climbing]
  - [After-ski boots]
  - [for grinding, i.e. sliding on the sole or a part thereof]
  - [for horse riding (stirrups B68C 3/00)]
  - Footwear for car driving or racing
  - Bowling Shoes
  - Football boots or shoes, i.e. footwear for soccer, football or rugby
  - [characterised by an element which improves the contact between the ball and the footwear]
  - Ski boots; Similar boots
    - [Snowboard boots]
    - [Adaptations for snowboard bindings]
    - [Linings, paddings, insertions; Inner boots (in general A43B 19/00)]
    - [Inflatable]
    - [with means for attaching inner boots or parts thereof to shells of ski boots]
    - [for cross-country]
    - [Adaptations for soles or accessories associated with soles for cross-country bindings]
    - [Accessories (A43B 5/0403, A43B 5/0413, A43B 5/0494 take precedence)]
  - [for soles or associated with soles of ski boots; for ski bindings (A43B 5/0411 takes precedence)]
  - [for walking aids]
Characteristic features of footwear

5/0494 . . . [Adaptations for soles or accessories associated with soles for telemark bindings]
5/0496 . . . [boots for touring or hiking skis]
5/0498 . . . [For ski jumping]
5/06 . Running boots
5/08 . Bathing shoes (Aquatic sports shoes)
5/10 . Tennis shoes
5/12 . Dancing shoes
5/14 . Shoes for cyclists
5/145 . . . [Boots for motorcyclists]
5/16 . Skating boots
5/1608 . . . [size adjustable (skates with special foot-plates for the boot divided into two parts permitting adjustment to the size of the foot A63C 1/26)]
5/1616 . . . [Inner boots]
5/1625 . . . [made from materials with different rigidities]
5/1633 . . . [Multipurpose skate boots (roller skates convertible to ice skates A63C 17/18, with fixable wheels permitting walking A63C 17/20)]
5/1641 . . . [characterised by the sole (skates with special foot-plates for the boot A63C 1/22); characterised by the attachment of the skate (A43B 5/1633 takes precedence; skates rigidly mounted to the sole of the boot A63C 1/02)]
5/165 . . . [with ventilation means in the sole]
5/1658 . . . [provided with resilient means in the sole or between the chassis and the sole]
5/1666 . . . [characterised by the upper]
5/1675 . . . [with ventilation means in the upper]
5/1683 . . . [characterised by the lower part of the upper or by the shell]
5/1691 . . . [characterised by the higher part of the upper, e.g. surrounding the ankle, by the quarter or cuff]
5/18 . . . Attachable overshoes for sporting purposes
5/185 . . . [with a sole covering spikes or cleats]

7/00 Footwear with health or hygienic arrangements
7/005 . . . [Footwear with cooling arrangements]
7/02 . Footwear with heating arrangements (footwarmers A61F 2007/0045; electric heating elements H05B)
7/025 . . . [heated by an electric current from an external source, e.g. car batteries]
7/04 . Footwear with electric batteries, generators, or the like
7/06 . Ventilated footwear [(ventilated skating boots A43B 5/165, A43B 5/1675; ventilated socks or inserts A43B 17/08)]
7/08 . . . Footwear with air-holes, with or without closures
7/081 . . . [the air being forced from outside]
7/082 . . . [the air being expelled to the outside]
7/084 . . . [characterised by the location of the holes]
7/085 . . . [in the upper]
7/087 . . . [in the bottom of the sole]
7/088 . . . [in the side of the sole]
7/10 . . . [with closable air-slots near the waist]
7/105 . . . [with pumping means or valves]
7/12 . Special watertight footwear (overshoes A43B 3/16)
7/125 . . . [provided with a vapour permeable member, e.g. a membrane (A43B 23/022 takes precedence)]
7/14 . Footwear with foot-supporting parts
7/1405 . . . [provided with pads or holes on one or more locations, or having an anatomical or curved form]
7/141 . . . [having an anatomical or curved form]
7/1415 . . . [characterised by the location under the foot]
7/142 . . . [situated under the medial arch, i.e. the navicular or cuneiform bones]
7/1425 . . . [situated under the ball of the foot, i.e. the joint between the first metatarsal and first phalanx]
7/143 . . . [situated under the lateral arch, i.e. the cuboid bone]
7/1435 . . . [situated under the joint between the fifth phalanx and the fifth metatarsal bone]
7/144 . . . [situated under the heel, i.e. the calcaneus bone]
7/1445 . . . [situated under the midfoot, i.e. the metatarsal]
7/145 . . . [situated under the toes, i.e. the phalanx]
7/1455 . . . [with special properties]
7/146 . . . [provided with acupressure points or means for footmassage]
7/1465 . . . [with removable or adjustable pads to allow custom fit]
7/147 . . . [for sick or disabled persons, e.g. persons having osteoarthritis or diabetes]
7/1475 . . . [characterised by the type of support]
7/148 . . . [Recesses or holes filled with a support or pad]
7/1485 . . . [Recesses or holes, traversing partially or completely the thickness of the pad]
7/149 . . . [Pad, e.g. protruding on the foot facing surface]
7/1495 . . . [Footwear with arch-supports of the bracelet type]
7/16 . . . Footwear with elevated heel parts inside
7/18 . . . Joint supports, e.g. instep supports
7/19 . . . engaging the ground directly
7/20 . . . Ankle-joint supports or holders
7/22 . . . Footwear with fixed flat-foot insertions, metatarsal supports, ankle flaps, or the like (orthopaedic insertions A61F 5/14)
7/223 . . . [characterised by the constructive form]
7/226 . . . [characterised by the material]
7/24 . . . Insertions or cap supports preventing the foot canting to one side (preventing supination or pronation)
7/26 . . . Footwear with toe-spacers or toe-spreaders
7/28 . . . Adapting the inner sole (or the side of the upper) of the shoe to the sole of the foot
7/30 . . . Protecting the ball-joint against pressure while standing
7/32 . . . Footwear with shock-absorbing means (Safety footwear (resilient soles A43B 13/18)]
7/34 . . . Footwear with protection against heat or cold
7/36 . . . with earthing or grounding means
7/38 . . . Elevating, i.e. height increasing, footwear (with elevated heel parts inside A43B 7/14); lengthening pieces for natural legs A61F 3/00; orthopaedic insertions for conventional shoes A61F 5/14)

9/00 Footwear characterised by the assembling of the individual parts (assembling parts of upper together A43B 23/025; assembling sole parts together A43B 13/2)]
9/02 . Footwear stitched or nailed through
9/04 . Welted footwear (welts A43B 15/00)
Characteristic features of footwear

Parts of footwear

13/100 Soles ([Skating boots characterised by the sole A43B 5/1641;] socks A43B 17/00; Sole and heel units

13/203 . . . . [provided with a pump or valve]

13/206 . . . . [provided with tubes or pipes or tubular shaped cushioning members]

13/22 . . . Soles made slip-preventing or wear-resisting, e.g. by impregnation or spreading a wear-resisting layer

13/223 . . . [Profiled soles]

13/226 . . . . [the profile being made in the foot facing surface]

13/24 . . . by use of insertions

13/26 . . . . projecting beyond the sole surface

13/28 . . characterised by their attachment, also attachment of combined soles and heels (attachment of heels A43B 21/36; attachment of heel parts (A43B 21/42))

13/30 . . . by screws

13/32 . . . by adhesives

13/34 . . . Soles also attached to the inner side of the heels

13/36 . . . . Easily-exchangeable soles (of metal A43B 13/10; protecting-soles A43C 13/12)

13/37 . . . Sole and heel units

13/38 . . . Built-in soles joined to uppers during the manufacturing process, e.g. structural insoles; Insoles glued to shoes during the manufacturing process

13/383 . . . [pieced]

13/386 . . . [multilayered]

13/39 . . . with upset sewing ribs

13/40 . . . with cushions

13/41 . . . combined with heel stiffener, toe stiffener, or shank stiffener

13/42 . . Filling materials located between the insole and outer sole; Stiffening materials

15/00 Welts for footwear

17/00 Insoles for insertion, e.g. footbeds or inlays, for attachment to the shoe after the upper has been joined (special medical insertions for shoes A61F 5/14)

17/003 . . . [characterised by the material (made of wood A43B 17/12, made of sponge, rubber or plastic materials A43B 17/14)]

17/006 . . . [multilayered]

17/002 . . . wedge-like or resilient

17/003 . . . [wedge-like (A43B 17/03 takes precedence)]

17/006 . . . [filled with a non-compressible fluid, e.g. gel, water]

17/002 . . . [filled with a gas, e.g. air]

17/035 . . . [provided with a pump or valve]

17/004 . . . with metal insertions or coverings

17/006 . . . with metal springs

17/008 . . . vented

17/10 . . . specially adapted for sweaty feet; waterproof

17/102 . . . [Moisture absorbing socks; Moisture dissipating socks]

17/105 . . . [Disposable]

17/107 . . . [waterproof]

17/12 . . made of wood
Parts of footwear

19/00 Shoe-shaped inserts; Inserts covering the instep
[(for ski boots or similar boots A43B 5/0405, for skating boots A43B 5/1616)]

19/005 [Weighted inserts for shoes, i.e. insert comprising an additional weight]

21/00 Heels; Top-pieces, e.g. high heels, heel distinct from the sole, high heels monolithic with the sole (sole and heel units A43B 13/37)

20/02 . characterised by the material
20/025 . [Metal]
20/03 . wood
20/04 . leather
20/06 . rubber
20/08 . combined hard and soft rubber
20/18 . combined rubber and leather
20/20 . plastics
20/22 . Heels or heel attachments specially designed to prevent splashing
20/24 . characterised by the constructive form
20/26 . Resilient heels
20/265 . [filled with a non-compressible fluid, e.g. gel, water]
20/28 . Pneumatic heels [filled with a compressible fluid, e.g. air, gas]
20/285 . [provided with a pump or valve]
20/30 . Heels with metal springs
20/32 . Resilient supports for the heel of the foot
20/36 . characterised by their attachment; Securing devices for the attaching means (combined with soles A43B 13/28)
20/37 . [by hook-shaped or bent attaching means]
20/38 . by screws only
20/39 . by rib groove
20/40 . by dovetail
20/42 . Heels with replaceable or adjustable parts [, e.g. toplift]
20/433 . rotatably mounted
20/437 . with axially-adjustable rod-like top-pieces
20/44 . by claw-like means
20/45 . with special tensioning means
20/46 . by bolts
20/47 . by resilient means
20/48 . by press-buttons
20/50 . by bayonet-shaped opening and pin
20/51 . with keyhole-shaped opening and pin
20/52 . Interchangeable heel parts without special attachments
20/54 . by adhesion or the like

23/00 Uppers; Boot legs; Stiffeners; Other single parts of footwear

23/02 . Uppers; Boot legs [(ski boots with an upper made of flexible material A43B 5/0486; skating boots characterised by the uppers A43B 5/1666)]
23/0205 . [characterised by the material (material of the lining A43B 23/07, material of toe stiffeners or heel stiffeners A43B 23/08)]
23/021 . [Leather]

23/015 . [Plastics or artificial leather]
23/022 . [with waterproof breathable membranes]
23/0225 . [Composite materials, e.g. material with a matrix]
23/023 . [Metal]
23/0235 . [Different layers of different material]
23/024 . [Different layers of the same material]
23/0245 . [characterised by the constructive form]
23/025 . [assembled by stitching]
23/0255 . [assembled by gluing or thermo bonding]
23/026 . [Laminated layers]
23/0265 . [having different properties in different directions]
23/027 . [with a part of the upper particularly flexible, e.g. permitting articulation or torsion]
23/0275 . [with a part of the upper particularly rigid, e.g. resisting articulation or torsion]
23/028 . [Resilient uppers, e.g. shock absorbing]
23/0285 . [filled with a non-compressible fluid, e.g. gel or water]
23/029 . [Pneumatic upper, e.g. gas filled]
23/0295 . [Piece uppers]
23/04 . Uppers made of one piece; Uppers with inserted gussets
23/042 . [Uppers made of one piece (one piece slippers A43B 3/106; one piece sandals A43B 3/124)]
23/045 . [Uppers with inserted gussets]
23/047 . [the gusset being elastic]
23/06 . Waterproof legs
23/07 . Linings therefor [(for ski boots or similar boots A43B 5/0405, lining laminated with upper A43B 23/026)]
23/08 . Heel stiffeners; Toe stiffeners (footwear with shock-absorbing means A43B 7/32)
23/081 . [Toe stiffeners]
23/082 . [made of metal]
23/083 . [light-alloys]
23/085 . [made of leather]
23/086 . [made of impregnated fabrics, plastics or the like]
23/087 . [made of plastics]
23/088 . [Heel stiffeners (A43B 23/10, A43B 23/14, A43B 23/16, A43B 23/17 take precedence)]
23/10 . [made of metal [(A43B 23/082 takes precedence)]
23/105 . [light-alloys]
23/14 . [made of leather [(A43B 23/085 takes precedence)]
23/16 . [made of impregnated fabrics, plastics or the like]
23/17 . [made of plastics]
23/20 . Nails, pegs, pins, clamps, or tacks, for footwear
23/22 . Supports for the shank or arch of the uppers (for health or hygienic purposes A43B 7/14)
23/222 . [characterised by the attachment to the sole]
23/225 . [by integrated teeth]
23/227 . [fixed on the outside of the shoe]
23/24 . Ornamental buckles; Other ornaments for shoes without fastening function
23/25 . [Arrangement of ribbons on footwear]
23/26 . Tongues for shoes
23/28 . Devices to put in shoes in order to prevent slipping at the heel or to prevent abrading the stockings
23/30 . Heel-protectors for car-drivers