**A43B  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:

<table>
<thead>
<tr>
<th>IPC Group</th>
<th>Covered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>A43B 21/10 - A43B 21/16</td>
<td>A43B 21/06</td>
</tr>
<tr>
<td>A43B 21/34</td>
<td>A43B 21/24</td>
</tr>
</tbody>
</table>

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

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 11/1493)]

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 . [Footwear 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]

3/0026 . [Footwear for use in minefields; Footwear protecting from landmine blast; Footwear preventing landmines from being triggered]

3/0031 . [Footwear provided with a pocket, e.g. for keys or a card]

3/0036 . [Footwear characterised by a special shape or design]

3/0042 . [with circular or circle shaped parts]

3/0047 . [Footwear parts having a male and corresponding female profile to fit together, e.g. form-fit]

3/0052 . [X-shaped or cross-shaped]

3/0057 . [S-shaped]

3/0063 . [U-shaped]

3/0068 . [V-shaped]

3/0073 . [Y-shaped]

3/0078 . [Footwear provided with logos, letters, signatures or the like decoration (A43B 23/24 takes precedence)]

3/0084 . [Arrangement of flocked decoration on shoes]

3/0089 . [with means to identify the size of the shoe]

3/0094 . [with means to differentiate between right and left shoe]

3/02 . Top-boots; Leg-boots; Shoes with batswing tabs

3/04 . with rubber or elastic insertions or gussets

3/06 . Shoes with flaps; Footwear with divided upper

3/08 . with rubber or elastic insertions or gussets

3/10 . Low shoes; Slippers (sandals A43B 3/12)

3/101 . [Slippers]

3/102 . [Slippers leaving the heel of the foot bare (A43B 3/106 takes precedence; slippers with an anklestrap, sling type shoes A43B 3/12)]

3/103 . [characterised by the attachment of the toestrap]

3/105 . [characterised by the shape or layout of the toestrap]

3/106 . [Disposable slippers; One piece slippers]

3/107 . [characterised by the material]

3/108 . [characterised by the sole]

3/12 . Sandals [provided with an anklestrap]; Strap guides thereon (footwear having only a toestrap, thong sandals A43B 3/10)

3/122 . [characterised by the attachment of the straps]
Characteristic features of footwear

5/00

Footwear for sporting purposes (non-skid devices, e.g. ice-spurs, studs for football shoes, A43C 15/00)

5/001 . . . (Golf shoes)
5/002 . . . (Mountain boots or shoes)
5/003 . . . (for free climbing)
5/004 . . . (After-ski boots)
5/005 . . . (for grinding, i.e. sliding on the sole or a part thereof)
5/006 . . . (for horse riding (stirrups B68C 3/00))
5/007 . . . (Footwear for car driving or racing)
5/008 . . . (Bowling Shoes)
5/002 . . . Football boots (or shoes, i.e. footwear for soccer, football or rugby)
5/025 . . . (characterised by an element which improves the contact between the ball and the footwear)
5/004 . . . Ski boots; Similar boots
5/0401 . . . (Snowboard boots)
5/0403 . . . (Adaptations for soles or accessories with soles for snowboard bindings)
5/0405 . . . (Linings, paddings, insertions; Inner boots (in general A43B 19/00))
5/0407 . . . (inflatable)
5/0409 . . . (with means for attaching inner boots or parts thereof to shells of skiboots)
5/0411 . . . (for cross-country)
5/0413 . . . (Adaptations for soles or accessories associated with soles for cross-country bindings)
5/0415 . . . (Accessories (A43B 5/0403, A43B 5/0413, A43B 5/0494 take precedence))
5/0417 . . . (for soles or associated with soles of ski boots; for ski bindings (A43B 5/0411 takes precedence))
5/0419 . . . (for walking aids)

5/0421 . . . (located underneath the sole)
5/0423 . . . (located on the sides of the sole)
5/0425 . . . (Devices for carrying ski-boots or similar boots)
5/0427 . . . (characterised by type or construction details)
5/0429 . . . (Adjustment of the boot to calf or shin, i.e. fibula,ibia)
5/0431 . . . (to the length of calf or shin, i.e. fibula,ibia)
5/0433 . . . (to the width of calf or shin, i.e. fibula,ibia)
5/0435 . . . (Adjustment of the boot to the foot)
5/0437 . . . (to the arch of the foot (A43B 5/0441 takes precedence))
5/0439 . . . (to the heel; Heel clamping devices; Heel supports)
5/0441 . . . (by lifting the insole)
5/0443 . . . (to the instep of the foot, e.g. metatarsals; Metatarsal clamping devices)
5/0445 . . . (directly actuated by non flexible means, e.g. screws, levers)
5/0447 . . . (actuated by flexible means, e.g. cables, straps)
5/0449 . . . . . (with the actuator being disposed at the rear side of the boot)
5/045 . . . . . (to the width of the foot)
5/0452 . . . (Adjustment of the forward inclination of the boot leg)
5/0454 . . . . . (including flex control; Dampening means)
5/0456 . . . . . (with the actuator being disposed at the rear side of the boot (A43B 5/0464 takes precedence))
5/0458 . . . . . (with the actuator being disposed at the front side of the boot (A43B 5/0464 takes precedence))
5/046 . . . . . (with the actuator being disposed at the lateral or medial side of the boot (A43B 5/0464 takes precedence))
5/0462 . . . . . (with the actuator being disposed at the lower side of the boot (A43B 5/0464 takes precedence))
5/0464 . . . . . (with exchangeable parts)
5/0466 . . . . (Adjustment of the side inclination of the boot leg; Canting)
5/0468 . . . . (Adjustment of the angle of the boot to the ski)
5/047 . . . . . (provided with means to improve walking with the ski boot)
5/0472 . . . . . (having a flexible toe portion; provided with a hinge at the ball of the foot)
5/0474 . . . . . (having a walk/ski position (A43B 5/0472 takes precedence))
5/0476 . . . . . (Front-entry ski boots)
5/0478 . . . . . (Mid-entry ski boots, hybrid ski boots)
5/048 . . . . (Rear-entry ski boots)
5/0482 . . . . (made from materials with different rigidities)
5/0484 . . . . (permitting easy replacement of parts)
5/0486 . . . . (characterized by the material)
5/0488 . . . . (with an upper made of flexible material, e.g. leather (A43B 5/0401, A43B 5/002 take precedence))
5/049 . . . . (with an upper made of composite material, e.g. fibers or core embedded in a matrix)
5/0492 . . . . (Telemark boots)
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 wartight 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 phalange]
7/143 . . . [situated under the lateral arch, i.e. the cuboid bone]
7/1435 . . . [situated under the joint between the fifth phalange 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 phalange]
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 23/0245; assembling sole parts together A43B 13/12)
9/02 . . . Footwear stitched or nailed through
9/04 . . . Welted footwear (welts A43B 15/000)

CPC - 2019.08
Parts of footwear

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

13/02 . . characterised by the material
13/023 . . {Soles with several layers of the same material (soles with several layers of different materials A43B 13/12)}
13/026 . . {Composites, e.g. carbon fibre or aramid fibre; the sole, one or more sole layers or sole part being made of a composite}

13/04 . . plastics, rubber or vulcanised fibre
13/08 . . wood
13/10 . . metal
13/12 . . Soles with several layers of different materials
13/122 . . [characterised by the outsole or external layer]
13/125 . . [characterised by the midsole or middle layer]
13/127 . . [the midsole being multilayer]
13/14 . . characterised by the constructive form
13/141 . . {with a part of the sole being flexible, e.g. permitting articulation or torsion}
13/143 . . {provided with wedged, concave or convex end portions, e.g. for improving roll-off of the foot}
13/145 . . {Convex portions, e.g. with a bump or projection, e.g. 'Masai' type shoes}
13/146 . . {Concave end portions, e.g. with a cavity or cut-out portion}
13/148 . . {Wedge end portions}
13/16 . . Pieced soles (with several layers of different material A43B 13/12)
13/18 . . Resilient soles (skating boots provided with resilient means A43B 5/1658)
13/181 . . {Resiliency achieved by the structure of the sole}
13/182 . . . {Helicoidal springs}
13/183 . . . {Leaf springs}
13/184 . . . {the structure protruding from the outsole}
13/185 . . . {Elasticated plates sandwiched between two interlocking components, e.g. thrustors}
13/186 . . . {Differential cushioning region, e.g. cushioning located under the ball of the foot (resilient heel not included in the sole A43B 21/26; resilient supports for the heel of the foot A43B 21/32)}
13/187 . . . {Resiliency achieved by the features of the material, e.g. foam, non liquid materials}
13/188 . . . {Differential cushioning regions}

13/189 . . . {filled with a non-compressible fluid, e.g. gel, water}
13/20 . . . {Pneumatic soles (filled with a compressible fluid, e.g. air, gas (inflatable linings for skiboots A43B 5/0407))}
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 Wells 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}
17/007 . . wedge-like or resilient
17/008 . . {wedge-like (A43B 17/03 takes precedence)}
17/009 . . {filled with a non-compressible fluid, e.g. gel, water}
17/003 . . filled with a gas, e.g. air
17/005 . . {provided with a pump or valve}
17/04 . . with metal insertions or coverings
17/06 . . with metal springs
17/08 . . ventilated
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

17/14 made of sponge, rubber, or plastic materials
17/16 with heel or toe caps
17/18 Arrangements for attaching removable insoles to footwear

19/00 Shoe-shaped inserts; Inserts covering the instep

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)

21/02 . characterised by the material
21/025 . (Metal)
21/03 . wood
21/04 . leather
21/06 . rubber
21/08 . combined hard and soft rubber
21/18 . combined rubber and leather
21/20 . plastics
21/22 . Heels or heel attachments specially designed to prevent splashing
21/24 . characterised by the constructive form
21/26 . Resilient heels
21/265 . [filled with a non-compressible fluid, e.g. gel, water]
21/28 . Pneumatic heels [filled with a compressible fluid, e.g. air, gas]
21/285 . [provided with a pump or valve]
21/30 . Heels with metal springs
21/32 . Resilient supports for the heel of the foot
21/36 . characterised by their attachment; Securing devices for the attaching means (combined with soles A43B 13/28)
21/37 . by hook-shaped or bent attaching means
21/38 . by screws only
21/39 . by rib groove
21/40 . by dovetail
21/42 . Heels with replaceable or adjustable parts, e.g. top lift
21/433 . rotatably mounted
21/437 . with axially-adjustable rod-like top-pieces
21/44 . by claw-like means
21/45 . with special tensioning means
21/46 . by bolts
21/47 . by resilient means
21/48 . by press-buttons
21/50 . by bayonet-shaped opening and pin
21/51 . with keyhole-shaped opening and pin
21/52 . Interchangeable heel parts without special attachments
21/54 . 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]

23/0215 . [Plastics or artificial leather]
23/022 . [with waterproof 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 . [Pieced 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 23/12 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 ([A43B 23/086 takes precedence])
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