## CPC - COOPERATIVE PATENT CLASSIFICATION

### PERSONAL OR DOMESTIC ARTICLES

**A43**  
**FOOTWEAR**

### 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:

   - 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

<table>
<thead>
<tr>
<th>1/00</th>
<th>Footwear characterised by the material (layered products B32B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/009</td>
<td>[Footwear made at least partially of alveolar or honeycomb material]</td>
</tr>
<tr>
<td>1/018</td>
<td>[Footwear made at least partially of flexible, bellow-like shaped material]</td>
</tr>
<tr>
<td>1/027</td>
<td>[Footwear made at least partially from a material having special colours]</td>
</tr>
<tr>
<td>1/036</td>
<td>[with fluorescent or phosforescent parts]</td>
</tr>
<tr>
<td>1/045</td>
<td>[Footwear made at least partially of deodorant means]</td>
</tr>
<tr>
<td>1/054</td>
<td>[Footwear provided with magnets, magnetic parts or magnetic substances]</td>
</tr>
<tr>
<td>1/063</td>
<td>[Footwear made at least partially of material that can be recycled]</td>
</tr>
<tr>
<td>1/072</td>
<td>[Footwear made at least partially of transparent or translucent materials]</td>
</tr>
<tr>
<td>1/081</td>
<td>[Footwear made at least partially of hook-and-loop type material (hook and loop-type straps for fastening purpose A43C 11/193)]</td>
</tr>
<tr>
<td>1/09</td>
<td>[Footwear made at least partially of washable material]</td>
</tr>
<tr>
<td>1/02</td>
<td>Footwear made of animal or plant fibres or fabrics made therefrom</td>
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<tr>
<td>1/04</td>
<td>. Braided, knotted, knitted, or crocheted footwear</td>
</tr>
<tr>
<td>1/06</td>
<td>Footwear made of wood, cork, card-board, paper or like fibrous material (soles A43B 13/00; making of wooden shoes B27M 3/20)</td>
</tr>
<tr>
<td>1/08</td>
<td>. Footwear made of metal (soles A43B 13/10)</td>
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<tr>
<td>1/10</td>
<td>. Footwear made of rubber</td>
</tr>
<tr>
<td>1/12</td>
<td>. of rubber waste</td>
</tr>
<tr>
<td>1/14</td>
<td>. Footwear made of gutta-percha, celluloid, or plastics</td>
</tr>
<tr>
<td>3/00</td>
<td>Footwear characterised by the shape or the use</td>
</tr>
<tr>
<td>3/005</td>
<td>. [Footwear provided with electrical or electronic systems]</td>
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<tr>
<td>3/001</td>
<td>. [Footwear provided with light source]</td>
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<tr>
<td>3/0015</td>
<td>. [Footwear provided with generator]</td>
</tr>
<tr>
<td>3/0021</td>
<td>. [Footwear provided with sound or music source]</td>
</tr>
<tr>
<td>3/026</td>
<td>. [Footwear for use in minefields; Footwear protecting from landmine blast; Footwear preventing landmines from being triggered]</td>
</tr>
<tr>
<td>3/031</td>
<td>. [Footwear provided with a pocket, e.g. for keys or a card]</td>
</tr>
<tr>
<td>3/036</td>
<td>. [Footwear characterised by a special shape or design]</td>
</tr>
<tr>
<td>3/042</td>
<td>. [with circular or circle shaped parts]</td>
</tr>
<tr>
<td>3/047</td>
<td>. [Footwear parts having a male and corresponding female profile to fit together, e.g. form-fit]</td>
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<tr>
<td>3/052</td>
<td>. [X-shaped or cross-shaped]</td>
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<tr>
<td>3/057</td>
<td>. [S-shaped]</td>
</tr>
<tr>
<td>3/063</td>
<td>. [U-shaped]</td>
</tr>
<tr>
<td>3/068</td>
<td>. [V-shaped]</td>
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<tr>
<td>3/073</td>
<td>. [Y-shaped]</td>
</tr>
<tr>
<td>3/078</td>
<td>. [Footwear provided with logos, letters, signatures or the like decoration (A43B 23/24 takes precedence)]</td>
</tr>
<tr>
<td>3/084</td>
<td>. [Arrangement of flocked decoration on shoes]</td>
</tr>
<tr>
<td>3/089</td>
<td>. [with means to identify the size of the shoe]</td>
</tr>
<tr>
<td>3/094</td>
<td>. [with means to differentiate between right and left shoe]</td>
</tr>
<tr>
<td>3/02</td>
<td>. Top-boots; Leg-boots; Shoes with bating only tabs</td>
</tr>
<tr>
<td>3/04</td>
<td>. with rubber or elastic insertions or gussets</td>
</tr>
<tr>
<td>3/06</td>
<td>. Shoes with flaps; Footwear with divided uppers</td>
</tr>
<tr>
<td>3/08</td>
<td>. with rubber or elastic insertions or gussets</td>
</tr>
<tr>
<td>3/10</td>
<td>. Low shoes; Slippers (sandal A43B 3/12)</td>
</tr>
<tr>
<td>3/101</td>
<td>. [Slippers]</td>
</tr>
<tr>
<td>3/102</td>
<td>. [Slippers leaving the heel of the foot bare (A43B 3/106 takes precedence; slippers with an anklestrap. sling type shoes A43B 3/12)]</td>
</tr>
<tr>
<td>3/103</td>
<td>. [characterised by the attachment of the toestrap]</td>
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<tr>
<td>3/105</td>
<td>. [characterised by the shape or layout of the toestrap]</td>
</tr>
<tr>
<td>3/106</td>
<td>. [Disposable slippers; One piece slippers]</td>
</tr>
<tr>
<td>3/107</td>
<td>. [characterised by the material]</td>
</tr>
<tr>
<td>3/108</td>
<td>. [characterised by the sole]</td>
</tr>
<tr>
<td>3/12</td>
<td>. Sandals [provided with an anklestrap]; Strap guides thereon ([footwear having only a toestrap, thong sandals A43B 3/10])</td>
</tr>
<tr>
<td>3/122</td>
<td>. [characterised by the attachment of the straps]</td>
</tr>
</tbody>
</table>
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]
5/009  [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]
5/04  [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 ski-boots]
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]
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]
5/00 . 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]
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)
Characteristic features of footwear

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

13/03 (Soles with several layers of the same material (soles with several layers of different materials A43B 13/12))

13/04 (Composites, e.g. carbon fibre or aramid fibre; the sole, one or more sole layers or sole part being made of a composite)

13/08 wood

13/10 metal

13/12 Soles with several layers of different materials

13/14 characterised by the constructive form

13/15 (with a part of the sole being flexible, e.g. permitting articulation or torsion)

13/16 (provided with wedged, concave or convex end portions, e.g. for improving roll-off of the foot)

13/17 (Convex portions, e.g. with a bump or projection, e.g. 'Masai' type shoes)

13/18 (Concave end portions, e.g. with a cavity or cut-out portion)

13/19 (Wedges end portions)

13/20 (Pieced soles (with several layers of different material A43B 13/12)

13/21 Resilient soles ([skating boots provided with resilient means A43B 5/168])

13/22 (Resiliency achieved by the structure of the sole)

13/23 (Helicoidal springs)

13/24 (Leaf springs)

13/25 (the structure protruding from the outsole)

13/26 (Elasticated plates sandwiched between two interlocking components, e.g. thrustors)

13/27 (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))

13/28 (Resiliency achieved by the material, e.g. foam, non liquid materials)

13/29 (Differential cushioning regions)

13/29 filled with a non-compressible fluid, e.g. gel, water

13/30 by screws

13/31 by adhesives

13/32 Soles also attached to the inner side of the heels

13/33 Easily-exchangeable soles (of metal A43B 13/10; protecting-soles A43C 13/12)

13/34 Sole and heel units

13/35 Built-in insoles joined to uppers during the manufacturing process, e.g. structural insoles; Insoles glued to shoes during the manufacturing process

13/36 (pieced)

13/37 (multilayered)

13/38 with upset sewing ribs

13/39 with cushions

13/40 combined with heel stiffener, toe stiffener, or shank stiffener

13/41 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)

17/03 filled with a gas, e.g. air

17/035 (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

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

23/00 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
21/03 . 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 catches or the like
21/51 . with keyhole-shaped opening and pin
21/52 . Interchangeable heel parts without special attachments
21/54 . by adhesion or the like

23/02 Uppers; Boot legs; Stiffeners; Other single parts of footwear

23/021 . 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]