

CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

HEALTH; AMUSEMENT

A63 SPORTS; GAMES; AMUSEMENTS

A63C SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE ([water skis B63B 32/00](#), [B63B 34/00](#))

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:
[A63C 5/14](#) covered by [A63C 5/12](#)
- {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.}

Skates; Accessories for skating

- 1/00 Skates** ([roller skates or skate boards A63C 17/00](#))
- 1/02 . rigidly mounted on the sole of the boot
 - 1/04 . fastened by means of clamps
 - 1/06 . . with sole and heel plates each equipped with clamps
 - 1/08 . . with simultaneously-tightened sole and heel clamps
 - 1/10 . . tightened by the movement of the foot
 - 1/12 . . tightened by lateral swinging or shifting of the blade or of the whole skate
 - 1/14 . . tightened by means of springs
 - 1/16 . . Special structure of the clamp fastening devices
 - 1/18 . fastened by means of straps
 - 1/20 . with fastening means on special metal parts
 - 1/22 . with special foot-plates of the boot
 - 1/24 . . Elastic plates
 - 1/26 . . divided into two parts permitting adjustment to the size of the foot
 - 1/28 . . Pivotaly-mounted plates
 - 1/30 . with special blades
 - 1/303 . . {removably fastened to the blade holder}
 - 1/306 . . {Ice wheels}
 - 1/32 . . Special constructions of the simple blade
 - 1/34 . . Multi-part blades
 - 1/36 . . with several blades
 - 1/38 . of the tubular type
 - 1/40 . manufactured of one piece of material
 - 1/42 . Manufacture of skates
- 3/00 Accessories for skates**
- 3/02 . Supports for the foot-joint ([footwear with foot-supporting parts A43B 7/14](#))
 - 3/04 . Supporting frames or gliders for skaters
 - 3/06 . Supports for use whilst strapping skates on to boots
 - 3/08 . Special spikes for the blades of skates
 - 3/10 . Auxiliary devices for sharpening blades
 - 3/12 . Guards for skate blades
 - 3/14 . Keys for skates

Skis or snowboards; Accessories therefor encompasses groups [A63C 5/00](#) – [A63C 11/265](#) only.

- 5/00 Skis or snowboards** (sledges with runners, e.g. [ski-bobs, B62B 13/00](#); runners for sledges [B62B 17/02](#); runners for carrying wheeled vehicles to facilitate travel on snow or ice [B62B 19/00](#))
- 5/003 . {Structure, covering or decoration of the upper ski surface}
 - 5/006 . {Appearance of the ski-tip, the rear end or the upper ski-edge}
 - 5/02 . collapsible; divided
 - 5/025 . Short skis
 - 5/03 . Mono skis; Snowboards
 - 5/031 . . {Snow-ski boards with two or more runners or skis connected together by a rider-supporting platform}
 - 5/033 . . {Devices for enabling the use of a normal ski as mono-ski, e.g. platforms fixed on the ski for supporting the ski boots side-by-side}
 - 5/035 . with ground engaging rolls or belts
 - 5/04 . Structure of the surface thereof
 - 5/0405 . . {Shape thereof when projected on a plane, e.g. sidecut, camber, rocker}
 - 5/0411 . . . {asymmetric}
 - 5/0417 . . {with fins or longitudinal protrusions on the running sole}
 - 5/0422 . . {Longitudinal guiding grooves}
 - 5/0428 . . {Other in-relief running soles ([tooth-shaped running sole-plates A63C 7/06](#))}
 - 5/0434 . . {of the side walls}
 - 5/044 . . of the running sole
 - 5/048 . . of the edges
 - 5/0485 . . . {Complementary or supplementary ski edges}
 - 5/052 . . of the tips or rear ends
 - 5/056 . . Materials for the running sole
 - 5/06 . with special devices thereon, e.g. steering devices
 - 5/061 . . {Ski-boot sole-scrapers}
 - 5/062 . . {Protection or reinforcement devices for the ski-tip or the ski rear end}
 - 2005/063 . . {Rolling or like devices}
 - 5/065 . . Anti-crossing devices

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| 5/07 | . . comprising means for adjusting stiffness | 9/001 | . {Anti-friction devices} |
| 5/075 | . . Vibration dampers | 9/002 | . {Strap closures or latches; Leashes} |
| 5/08 | . motor-driven (A63C 5/035 takes precedence; apparatus for towing skis A63C 11/10) | 9/003 | . {Non-swivel sole plate fixed on the ski} |
| 5/085 | . . {with rolling or like devices} | 9/005 | . {with means for adjusting the position of a shoe holder or of the complete binding relative to the ski} |
| 5/11 | . combined with sails or the like {; Accessories specially adapted for sail-skiing} | 9/0053 | . . {for length adjustment} |
| NOTE | | 9/0057 | . . {for height adjustment} |
| When classifying in this group, details of sail or rigging arrangements which are suited for marine wind propulsion are also classified in the relevant groups of subclass B63H , e.g. in groups B63H 8/00 , B63H 9/04 . | | 9/006 | . {with a climbing wedge} |
| | | 9/007 | . {Systems preventing accumulation of forces on the binding when the ski is bending} |
| | | 2009/008 | . {with a binding element sliding along a rail during use or setting} |
| 5/12 | . Making thereof; Selection of particular materials (materials for the running sole A63C 5/056) | 9/02 | . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type |
| 5/122 | . . {Selection of particular materials for damping purposes, e.g. rubber or the like} | 9/04 | . Non-self-releasing long strap bindings |
| 5/124 | . . {Selection of particular materials for the upper ski surface} | 9/06 | . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski |
| 5/126 | . . {Structure of the core} | 9/065 | . . {Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers} |
| 5/128 | . . {A part for the binding being integrated within the board structure, e.g. plate, rail, insert} | 9/08 | . yieldable or self-releasing in the event of an accident, i.e. safety bindings |
| 5/16 | . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes | 9/0802 | . . {other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control (A63C 9/0885 takes precedence)} |
| 7/00 | Devices preventing skis from slipping back; Ski-stoppers or ski-brakes | 9/0805 | . . {Adjustment of the toe or heel holders; Indicators therefor (adjusting toe-clamps A63C 9/22)} |
| 7/005 | . {Devices preventing skis from slipping back, actuated by the boot} | 9/0807 | . . {for both towing and downhill skiing} |
| 7/02 | . Skins; Substitutes for skins | 9/081 | . . with swivel sole-plate |
| 7/04 | . Fastening-devices for skins | 9/082 | . . with swivel heel-plate |
| 7/06 | . Tooth-shaped running sole-plates | 9/083 | . . with loosenable cable strap |
| 7/08 | . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position | 9/084 | . . with heel hold-downs, e.g. swingable |
| 7/10 | . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position | 9/0841 | . . . {with a single jaw} |
| 7/1006 | . . {Ski-stoppers} | 9/0842 | {the jaw pivoting on the body or base about a transverse axis} |
| 7/1013 | . . . {actuated by the boot (A63C 7/106 takes precedence)} | 9/0843 | {with a plurality of mobile jaws} |
| 7/102 | {articulated about one transverse axis} | 9/0844 | {the body pivoting about a transverse axis} |
| 7/1026 | {laterally retractable above the ski surface} | 9/0845 | {the body or base or a jaw pivoting about a vertical axis, i.e. side release} |
| 7/1033 | {articulated about at least two transverse axes} | 9/0846 | {Details of the release or step-in mechanism} |
| 7/104 | {laterally retractable above the ski surface} | 9/0847 | {Details of the manual release} |
| 7/1046 | . . . {actuated by the ski-binding (A63C 7/106 takes precedence)} | 9/0848 | {Structure or making} |
| 7/1053 | {laterally retractable above the ski surface} | 9/085 | . . with sole hold-downs, e.g. swingable |
| 7/106 | . . . {articulated about a longitudinal axis} | 9/08507 | {with a plurality of mobile jaws} |
| 7/1066 | . . . {for mono-skis or snow-ski boards} | 9/08514 | {pivoting about a transversal axis} |
| 7/1073 | . . {Ski-brakes} | 9/08521 | {pivoting about a vertical axis, e.g. side release} |
| 7/108 | . . . {operated by hand, e.g. using a stick, by leg or by boot} | 9/08528 | {pivoting about a longitudinal axis} |
| 7/1086 | . . . {operated by other means, e.g. by electric, pneumatic or hydraulic means} | 9/08535 | {with a mobile body or base or single jaw} |
| 7/1093 | . . {Details} | 9/08542 | {pivoting about a transversal axis} |
| 7/12 | . Ski crampons preventing lateral slipping | 9/0855 | {pivoting about a vertical axis} |
| 9/00 | Ski bindings | 9/08557 | {Details of the release mechanism} |
| | | 9/08564 | {using cam or slide surface} |
| | | 9/08571 | {using axis and lever} |
| | | 9/08578 | {using a plurality of biasing elements} |
| | | 9/08585 | {using transverse biasing element} |
| | | 9/08592 | {Structure or making} |
| | | 9/086 | . . using parts which are fixed on the shoe of the user and are releasable from the ski binding |
| | | 9/088 | . . with electronically controlled locking devices |
| | | 9/0885 | . . . {remotely operated, e.g. by the skier} |
| | | 9/10 | . Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece |

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| 9/12 | Non-self-releasing elastic heel-straps | 11/009 | . . {for carrying devices} |
| 9/14 | Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps | 11/02 | Devices for stretching, clamping or pressing skis or snowboards for transportation or storage |
| 9/16 | Non-self-releasing bindings without straps, but with guiding cheeks | 11/021 | . . {Devices for binding skis in pairs, e.g. straps, clips (A63C 11/023 takes precedence)} |
| 9/18 | Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding | 11/022 | . . . {with magnets} |
| 9/20 | Non-self-releasing bindings with special sole edge holders instead of toe-straps | 11/023 | . . {Carrying-devices} |
| 9/22 | Arrangements for adjusting the toe-clamps | 11/025 | . . . {for skis or ski-sticks} |
| 9/24 | Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/08) | 11/026 | {on wheels} |
| 9/245 | . . {forming part of a cable binding} | 11/027 | . . {Protectors for skis, e.g. containers on the roof of cars} |
| 10/00 | Snowboard bindings | 11/028 | . . {Storage in cupboards or ski-racks, e.g. with clamping devices} |
| 10/005 | . {of the baseless type, i.e. without structural part under the shoe} | 11/04 | for treating skis or snowboards |
| 10/02 | characterised by details of the shoe holders | 11/06 | . . Edge-sharpeners |
| 10/04 | . . Shoe holders for passing over the shoe | 11/08 | . . Apparatus for waxing or dewaxing |
| 10/045 | . . . {with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts} | 11/10 | Apparatus for towing (ski-lifts B61B 11/00) |
| 10/06 | . . . Straps therefor, e.g. adjustable straps | 11/12 | Apparatus for hooking the heel part of the boot to the ski |
| 10/08 | . . Toe or heel stirrups; Clamps | 11/14 | Apparatus for repairing damaged skis or snowboards |
| 10/10 | . . using parts which are fixed on the shoe, e.g. means to facilitate step-in | 11/16 | Special devices on boots for fastening skis thereto (A63C 9/00 takes precedence) |
| 10/103 | . . . {on the sides of the shoe} | 11/18 | Devices for removing snow from skis, snowboards, boots or bindings |
| 10/106 | . . . {to the front and back of the shoe} | 11/20 | Snow protectors on skis or snowboards |
| 10/12 | Yieldable or self-releasing in the event of an accident, i.e. safety bindings | 11/22 | Ski-sticks |
| 10/14 | Interfaces, e.g. in the shape of a plate | 11/221 | . . {telescopic, e.g. for varying the length or for damping shocks} |
| 10/145 | . . {between two superimposed binding systems, e.g. cradle} | 11/222 | . . {Ski-stick handles or hand-straps} |
| 10/16 | Systems for adjusting the direction or position of the bindings | 11/2224 | . . . {Connection systems for hand-straps} |
| 10/18 | . . about a vertical rotation axis relative to the board | 11/2228 | . . . {Details of hand-straps} |
| 10/20 | . . in longitudinal or lateral direction relative to the board | 11/224 | . . . {associated with timing devices} |
| 10/22 | . . to fit the size of the shoe (A63C 10/06 takes precedence) | 11/225 | . . {with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons A63B 29/021)} |
| 10/24 | Calf or heel supports, e.g. adjustable high back or heel loops | 11/227 | . . {Details; Structure} |
| 10/26 | Shock or vibration dampers | 11/228 | . . {Accessories} |
| 10/28 | characterised by auxiliary devices or arrangements on the bindings | 11/24 | . . Rings for ski-sticks |
| 10/285 | . . {Pads as foot or binding supports, e.g. pads made of foam} | 11/26 | Devices for use in mounting ski-bindings to skis, e.g. jigs; {Testing or measuring devices specially adapted therefor} |
| 11/00 | Accessories for skiing or snowboarding (fittings on vehicles for carrying skis B60R 9/12) | 11/265 | . . {Devices for testing or measuring the release force of safety ski bindings} |
| 11/001 | . {Seats formed of skis or of accessories for skis} | | |
| 11/002 | . {Stretchers formed of skis or of accessories for skis} | 13/00 | Snow shoes |
| 11/003 | . {Signalling devices, e.g. acoustical or visual (A63C 11/225 takes precedence; means for indicating the location of accidentally snow-buried persons A63B 29/021)} | 13/001 | . {Bindings therefor} |
| 11/004 | . {Anti-theft devices for skis or ski equipment (A63C 11/003 takes precedence)} | 13/003 | . {Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate} |
| 11/005 | . . {on the ski or pole} | 13/005 | . {Frames therefor} |
| 11/006 | . . {Portable locking means} | 13/006 | . {Shoe support thereof, e.g. plate, movable relative to the frame} |
| 11/007 | . . {Lockable ski racks, cupboards or the like} | 13/008 | . {Adjustable heel support therefor, e.g. climbing wedge} |
| 11/008 | . . . {coin-operated} | 13/02 | Snow shoe rings |
| | | 17/00 | Roller skates; Skate-boards |
| | | 17/0006 | . {Accessories} |
| | | 17/0013 | . . {Devices used in combination with the skate but not fixed to it, e.g. supporting frames, sail, sticks, auxiliary wheel aid (uniauxle walk-type tractors B62D 51/06)} |

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| 17/002 | . . {Covers; Guards} | 17/1427 | . . . {the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks} |
| 17/0026 | . {Roller skates used otherwise than standing or sitting on them, e.g. body skates} | 17/1436 | . . {contacting the ground} |
| 17/0033 | . {with a castor wheel, i.e. a swiveling follow-up wheel} | 17/1445 | . . {contacting the ground and one or more of the wheels} |
| 17/004 | . {with auxiliary wheels not contacting the riding surface during steady riding} | 17/1454 | . . {Freewheel roller clutches} |
| 17/0046 | . {with shock absorption or suspension system} | 2017/1463 | . . {Foot or toe operated} |
| 2017/0053 | . {with foot plate quick release or shoe binding} | 2017/1472 | . . {Hand operated} |
| 17/006 | . {with wheels of different size or type} | 2017/1481 | . . {Leg or ankle operated} |
| 17/0066 | . {with inclined wheel, i.e. not perpendicular to the surface it rolls on} | 2017/149 | . . {Stick operated} |
| 17/0073 | . {with offset wheel, i.e. wheel contact point to surface offset from other associated wheel} | 17/16 | . for use on specially shaped or arranged runways |
| 17/008 | . {with retractable wheel, i.e. movable relative to the chassis out of contact from surface} | 17/18 | . convertible into ice or snow-running skates |
| 17/0086 | . {Roller skates adjustable in length to fit the size of the foot} | 17/20 | . with fixable wheels permitting the skates to be used for walking |
| 17/0093 | . {Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck (A63C 17/011 takes precedence)} | 17/22 | . Wheels for roller skates |
| 17/01 | . Skateboards (A63C 17/02 - A63C 17/28 take precedence) | 17/223 | . . {Wheel hubs} |
| 17/011 | . . {with steering mechanisms} | 17/226 | . . {Wheel mounting, i.e. arrangement connecting wheel and axle mount} |
| 17/012 | . . . {with a truck, i.e. with steering mechanism comprising an inclined geometrical axis to convert lateral tilting of the board in steering of the wheel axis} | 17/24 | . . with ball-shaped or spherical running surfaces |
| 17/013 | . . . {with parallelograms, follow up wheels or direct steering action} | 17/26 | . with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices |
| 17/014 | . . {Wheel arrangements} | 17/262 | . . {with foot bindings or supports therefor} |
| 17/015 | . . . {with wheels arranged in two pairs} | 17/265 | . . {with handles or hand supports} |
| 17/016 | . . . {with wheels arranged in one track} | 17/267 | . . {combined with wings or sails} |
| 17/017 | . . {Production or mounting thereof} | 17/28 | . with arrangements for sitting |
| 17/018 | . . {Ice skateboards} | 19/00 | Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor |
| 17/02 | . with wheels arranged in two pairs {(for skateboards A63C 17/015)} | 19/003 | . {Golf courses} |
| 17/04 | . with wheels arranged otherwise than in two pairs {(for skateboards A63C 17/014)} | | <u>WARNING</u> |
| 17/045 | . . {Roller skis} | | Group A63C 19/003 is incomplete pending reclassification of documents from groups A63B 69/3691 , A63B 69/3694 and A63B 69/3697 . |
| 17/06 | . . single-track type | | All groups listed in this Warning should be considered in order to perform a complete search. |
| 17/061 | . . . {with relative movement of sub-parts on the chassis} | 19/005 | . {Boxing rings} |
| 17/062 | {with a pivotal frame or cradle around transversal axis for relative movements of the wheels} | 19/02 | . Shaping of the surface of courts according to the necessities of the different games |
| 17/064 | {comprising steered wheels, i.e. wheels supported on a vertical axis} | 19/04 | . Mats or carpets for courts |
| 17/065 | . . . {with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate} | 19/06 | . Apparatus for setting-out or dividing courts |
| 17/067 | . . . {with adjustable position of the foot plate or shoe relative to the chassis} | 19/062 | . . {Slalom gate poles, posts or marking sticks for sport fields} |
| 17/068 | . . . {Production or mounting thereof} | 19/065 | . . {Line markings, e.g. tapes; Methods therefor} |
| 17/08 | . . . single-wheel type {with single axis} | 2019/067 | . . . {Machines for marking} |
| 17/10 | . with endless tracks | 19/08 | . . Mechanical means for marking-out |
| 17/12 | . with driving mechanisms | 2019/085 | . . . {Fences; Nets; Barriers} |
| 17/14 | . with brakes, e.g. toe stoppers, freewheel roller clutches | 19/10 | . Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing |
| 17/1409 | . . {contacting one or more of the wheels} | 19/12 | . Removable protective covers for courts, rinks, or game pitches or the like |
| 17/1418 | . . . {with radial movement against the roll surface of the wheel} | 2201/00 | Use of skates, skis, roller-skates, snowboards and courts |
| | | 2201/02 | . Aggressive riding, e.g. grinding |
| | | 2201/04 | . Ski jumping |
| | | 2201/06 | . Telemark |
| | | 2201/10 | . for handicapped people |
| | | 2201/12 | . Tandem riding |

2203/00 Special features of skates, skis, roller-skates, snowboards and courts

- 2203/02 . enabling transverse riding, i.e. with one runner or skate per foot and direction transverse to the foot
- 2203/06 . enabling conversion into another device
- 2203/065 . . replacing in the binding the shoe by another device
- 2203/08 . Decoration
- 2203/10 . enabling folding, collapsing
- 2203/12 . Electrically powered or heated
- 2203/14 . Lighting means
- 2203/16 . Inflatable
- 2203/18 . Measuring a physical parameter, e.g. speed, distance
- 2203/20 . Shock or vibration absorbing
- 2203/22 . Radio waves emitting or receiving, e.g. remote control, RFID
- 2203/24 . Processing or storing data, e.g. with electronic chip
- 2203/40 . Runner or deck of boards articulated between both feet
- 2203/42 . Details of chassis of ice or roller skates, of decks of skateboards
- 2203/44 . Storage or transportation means for ice or roller skates
- 2203/46 . Skateboards or boards for snow having superimposed decks
- 2203/48 . Roller or ice skates adjustable in width
- 2203/50 . Skis, skates or boards with shoe-like cradles comprising additional leg support
- 2203/52 . Direct actuation of steering of roller skate or skateboards, e.g. by a foot plate
- 2203/54 . Snowboard or ski binding or interface allowing pivoting motion during riding