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
(devices for underwater sports A63B 31/00, A63B 33/00, B63C 11/00; devices for gliding on water, e.g. water skis, B63B 35/79, B63B 35/81, B63B 35/83)

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:
   A63C 5/025 covered by A63C 5/00
   A63C 5/14 covered by A63C 5/12
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.

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

Ski: Accessories for skiing

5/00 Skis or snowboards (sledges with runners, e.g. skibobs, 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
   5/03  . 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 sole plates (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]
Ski bindings

**WARNING**

Group A63C 9/00 is impacted by reclassification into group A63C 9/005.

Groups A63C 9/00 and A63C 9/005 should be considered in order to perform a complete search.

### 9/001

- [Anti-friction devices]
- [Strap closures or latches; Leashes]
- [Non-swivel sole plate fixed on the ski]
- [with means for adjusting the position of a shoe holder or of the complete binding relative to the ski]

**WARNING**

Group A63C 9/005 is incomplete pending reclassification of documents from group A63C 9/00.

Group A63C 9/005 is also impacted by reclassification into groups A63C 9/0053 and A63C 9/0057.

Groups A63C 9/00, A63C 9/005, A63C 9/0053 and A63C 9/0057 should be considered in order to perform a complete search.

### 9/0053

- [for height adjustment]

**WARNING**

Group A63C 9/0057 is incomplete pending reclassification of documents from group A63C 9/005.

Groups A63C 9/005 and A63C 9/0057 should be considered in order to perform a complete search.

### 9/006

- [with a climbing wedge]

### 9/007

- [Systems preventing accumulation of forces on the binding when the ski is bending]

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**9/00** Devices preventing skis from slipping back; Ski-stoppers or ski-brakes

7/005 . [Devices preventing skis from slipping back, actuated by the boot]

7/02 . [Skins; Substitutes for skins]

7/04 . [Fastening-devices for skins]

7/06 . [Tooth-shaped running sole-plate]

7/08 . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position

7/10 . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position

7/1006 . [Ski-stoppers]

7/1013 . [actuated by the boot (A63C 7/106 takes precedence)]

7/102 . [articulated about one transverse axis]

7/1026 . [laterally retractable above the ski surface]

7/1033 . [articulated about at least two transverse axes]

7/104 . [laterally retractable above the ski surface]

7/1046 . [actuated by the ski-binding (A63C 7/106 takes precedence)]

7/1053 . [laterally retractable above the ski surface]

7/106 . [articulated about a longitudinal axis]

7/1066 . [for mono-skis or snow-ski boards]

7/1073 . [Ski-brakes]

7/108 . [operated by hand, e.g. using a stick, by leg or by boot]

7/1086 . [operated by other means, e.g. by electric, pneumatic or hydraulic means]

7/1093 . [Details]

7/12 . Ski crampons preventing lateral slipping

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**2009/008** . [with a binding element sliding along a rail during use or setting]

9/02 . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsten-type

9/04 . Non-self-releasing long strap bindings

9/06 . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski

9/065 . [Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers]

9/08 . yieldable or self-releasing in the event of an accident, i.e. safety bindings

9/0802 . [other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control (A63C 9/0885 takes precedence)]

9/0805 . [Adjustment of the toe or heel holders; Indicators therefor (adjusting toe-clamps A63C 9/22)]

9/0807 . [for both towing and downhill skiing]
Skis; Accessories for skiing

Characterised by details of the shoe holders under the shoe {of the baseless type, i.e. without structural part releasing ski bindings A63C 9/08585

Arrangements for adjusting the toe-clamps holders instead of toe-straps.

Non-self-releasing bindings with special sole edge or behind, the binding with a clamping device arranged at the front end of, guiding cheeks.

Non-self-releasing bindings without heel-straps, but with guiding cheeks.

Non-self-releasing bindings without straps, but with guiding cheeks.

Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding.

Non-self-releasing bindings with special sole edge holders instead of toe-straps.

Arrangements for adjusting the toe-clamps.

Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/085).

10/00 Snowboard bindings

10/005 . . . (of the baseless type, i.e. without structural part under the shoe)

10/02 . . . characterised by details of the shoe holders

10/04 . . . Shoe holders for passing over the shoe

10/045 . . . [with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts]

10/06 . . . Straps therefor, e.g. adjustable straps

10/08 . . . Toe or heel stirrups; Clamps

10/10 . . . using parts which are fixed on the shoe, e.g. means to facilitate step-in

10/103 . . . [on the sides of the shoe]
Skis; Accessories for skiing

11/221 . . . (telescopic, e.g. for varying the length or for damping shocks)
11/222 . . . (Skistick handles or hand-straps)
11/224 . . . (associated with timing devices)
11/225 . . . (with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons A63B 29/021))
11/227 . . . (Details; Structure)
11/228 . . . (Accessories)
11/24 . . . Rings for ski-sticks
11/26 . . . Devices for use in mounting ski-bindings to skis, e.g. jigs; (Testing or measuring devices specially adapted therefor)
11/265 . . . (Devices for testing or measuring the release force of safety ski bindings)

13/00 Snow shoes
13/001 . . . (Bindings therefor)
13/003 . . . (Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate)
13/005 . . . (Frames therefor)
13/006 . . . (Shoe support thereof, e.g. plate, movable relative to the frame)
13/008 . . . (Adjustable heel support therefor, e.g. climbing wedge)
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 (uniaxle walk-type tractors B62D 51/06))
17/002 . . . (Covers; Guards)
17/0026 . . . (Roller skates used otherwise than standing or sitting on them, e.g. body skates)
17/0033 . . . (with a castor wheel, i.e. a swiveling follow-up wheel)
17/004 . . . (with auxiliary wheels not contacting the riding surface during steady riding)
17/0046 . . . (with shock absorption or suspension system)
2017/0053 . . . (with shock absorption or suspension system)
17/006 . . . (with wheels of different size or type)
17/0066 . . . (with inclined wheel, i.e. not perpendicular to the surface it rolls on)
17/0073 . . . (with offset wheel, i.e. wheel contact point to surface offset from other associated wheel)
17/008 . . . (with retractable wheel, i.e. movable relative to the chassis out of contact from surface)
17/0086 . . . (Roller skates adjustable in length to fit the size of the foot)
17/0093 . . . (Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck (A63C 17/011 takes precedence))
17/01 . . . Skateboards (A63C 17/02 - A63C 17/28 take precedence; (rolling devices on skis A63C 5/035))
17/011 . . . (with steering mechanisms)
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)
17/013 . . . (with parallelograms, follow up wheels or direct steering action)
17/014 . . . (Wheel arrangements)

17/015 . . . (with wheels arranged in two pairs)
17/016 . . . (with wheels arranged in one track)
17/017 . . . (Production or mounting thereof)
17/018 . . . (Ice skateboards)
17/02 . . . (with wheels arranged in two pairs (A63C 17/01 takes precedence))
17/04 . . . (with wheels arranged otherwise than in two pairs (A63C 17/01 takes precedence))
17/045 . . . (Roller skis)
17/06 . . . single-track type
17/061 . . . (with relative movement of sub-parts on the chassis)
17/062 . . . (with a pivotal frame or cradle around transversal axis for relative movements of the wheels)
17/064 . . . (comprising steered wheels, i.e. wheels supported on a vertical axis)
17/065 . . . (with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate)
17/067 . . . (with adjustable position of the foot plate or shoe relative to the chassis)
17/068 . . . (Production or mounting thereof)
17/078 . . . single-wheel type (with single axis)
17/10 . . . (with endless tracks)
17/12 . . . (with driving mechanisms)
17/14 . . . (with brakes, e.g. toe stoppers, freewheel roller clutches)
17/1409 . . . (contacting one or more of the wheels)
17/1418 . . . (with radial movement against the roll surface of the wheel)
17/1427 . . . (the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks)
17/1436 . . . (contacting the ground)
17/1445 . . . (contacting the ground and one or more of the wheels)
17/1454 . . . (Freewheel roller clutches)
2017/1463 . . . (Foot or toe operated)
2017/1472 . . . (Hand operated)
2017/1481 . . . (Leg or ankle operated)
2017/149 . . . (Stick operated)
17/16 . . . (for use on specially shaped or arranged runways)
17/18 . . . (convertible into ice or snow-running skates)
17/20 . . . (with fixable wheels permitting the skates to be used for walking)
17/22 . . . (Wheels for roller skates)
17/223 . . . (Wheel hubs)
17/226 . . . (Wheel mounting, i.e. arrangement connecting wheel and axle mount)
17/24 . . . (with ball-shaped or spherical running surfaces)
17/26 . . . (with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices)
17/262 . . . (with foot bindings or supports therefor)
17/265 . . . (with handles or hand supports)
17/267 . . . (combined with wings or sails)
17/28 . . . (with arrangements for sitting)
Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor (golf courses A63B 69/3691; water roundabouts A63G 3/00; construction of surfaces of foundations E01C; roofs E04B 7/00; buildings or groups of buildings for sports E04H 3/10; swimming or splash baths or pools E04H 4/00; coverings for baths E04H 4/06)

Shaping of the surface of courts according to the necessities of the different games (surface construction E01C)

Mats or carpets for courts

Apparatus for setting-out or dividing courts

[Slalom gate poles, posts or marking sticks for sport fields]

[Line markings, e.g. tapes; Methods therefor]

Machines for marking

Mechanical means for marking-out

Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing (chutes A63G 21/00; ski-lifts B61B 11/00; making or maintaining surfaces of snow or ice suitable for traffic or sporting purposes E01H 4/00; removing snow or ice E01H 5/00; production of ice or snow F25C 3/00)

Removable protective covers for courts, rinks, or game pitches or the like

Use of skates, skis, roller-skates, snowboards and courts

Skates: Accessories for skating

Special features of skates, skis, roller-skates, snowboards and courts

enabling transverse riding, i.e. with one runner or skate per foot and direction transverse to the foot

enabling conversion into another device

replacing in the binding the shoe by another device

Decoration

enabling folding, collapsing

Electrically powered or heated

Lighting means

Inflatable

Measuring a physical parameter, e.g. speed, distance

Shock or vibration absorbing

Radio waves emitting or receiving, e.g. remote control, RFID

Processing or storing data, e.g. with electronic chip

Runner or deck of boards articulated between both feet

Details of chassis of ice or roller skates, of decks of skateboards

Storage or transportation means for ice or roller skates

Skateboards or boards for snow having superimposed decks

Roller or ice skates adjustable in width

Skis, skates or boards with shoe-like cradles comprising additional leg support

Direct actuation of steering of roller skate or skateboards, e.g. by a foot plate

Snowboard or ski binding or interface allowing pivoting motion during riding

Skateboards or boards for snow having superimposed decks