

**CPC****COOPERATIVE PATENT CLASSIFICATION****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](#))

**WARNING**

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

[A63C 5/025](#) covered by [A63C 5/00](#)  
[A63C 5/14](#) covered by [A63C 5/12](#)

**Guidance heading:** **Skates; Accessories for skating**

**A63C 1/00**

**Skates** (roller skates or skate boards [A63C 17/00](#))

- A63C 1/02 . rigidly mounted on the sole of the boot
- A63C 1/04 . fastened by means of clamps
- A63C 1/06 . . with sole and heel plates each equipped with clamps
- A63C 1/08 . . with simultaneously-tightened sole and heel clamps
- A63C 1/10 . . tightened by the movement of the foot
- A63C 1/12 . . tightened by lateral swinging or shifting of the blade or of the whole skate
- A63C 1/14 . . tightened by means of springs
- A63C 1/16 . . Special structure of the clamp fastening devices
- A63C 1/18 . fastened by means of straps
- A63C 1/20 . with fastening means on special metal parts
- A63C 1/22 . with special foot-plates of the boot
- A63C 1/24 . . Elastic plates
- A63C 1/26 . . divided into two parts permitting adjustment to the size of the foot
- A63C 1/28 . . Pivotaly-mounted plates
- A63C 1/30 . with special blades
- A63C 1/303 . . { removably fastened to the blade holder}
- A63C 1/306 . . { Ice wheels}
- A63C 1/32 . . Special constructions of the simple blade
- A63C 1/34 . . Multi-part blades

- A63C 1/36 . . . with several blades
- A63C 1/38 . . . of the tubular type
- A63C 1/40 . . . manufactured of one piece of material
- A63C 1/42 . . . Manufacture of skates

### **A63C 3/00      Accessories for skates**

- A63C 3/02 . . . Supports for the foot-joint ([footwear with foot-supporting parts A43B 7/14](#))
- A63C 3/04 . . . Supporting frames or gliders for skaters
- A63C 3/06 . . . Supports for use whilst strapping skates on to boots
- A63C 3/08 . . . Special spikes for the blades of skates
- A63C 3/10 . . . Auxiliary devices for sharpening blades
- A63C 3/12 . . . Guards for skate blades
- A63C 3/14 . . . Keys for skates

### **Guidance heading: Skis; Accessories for skiing**

### **A63C 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](#))

- A63C 5/003 . . . {Structure, covering or decoration of the upper ski surface}
- A63C 5/006 . . . {Appearance of the ski-tip, the rear end or the upper ski-edge}
- A63C 5/02 . . . collapsible; divided
- A63C 5/03 . . . { Mono skis; Snowboards }
- A63C 5/031 . . . {Snow-ski boards with two or more runners or skis connected together by a rider-supporting platform}
- A63C 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}
- A63C 5/035 . . . with ground engaging rolls or belts
- A63C 5/04 . . . Structure of the surface thereof
- A63C 5/0405 . . . { Shape thereof when projected on a plane, e.g. sidecut, camber, rocker}
- A63C 5/0411 . . . { asymmetric}

- A63C 5/0417 . . { with fins or longitudinal protrusions on the running sole}
- A63C 5/0422 . . {Longitudinal guiding grooves}
- A63C 5/0428 . . {Other in-relief running soles (tooth-shaped running sole-plates [A63C 7/06](#))}
- A63C 5/0434 . . { of the side walls}
- A63C 5/044 . . of the running sole
- A63C 5/048 . . of the edges
- A63C 5/0485 . . . {Complementary or supplementary ski edges}
- A63C 5/052 . . of the tips or rear ends
- A63C 5/056 . . Materials for the running sole
  
- A63C 5/06 . with special devices thereon, e.g. steering devices
- A63C 5/061 . . {Ski-boot sole-scrapers}
- A63C 5/062 . . {Protection or reinforcement devices for the ski-tip or the ski rear end}
- A63C 2005/063 . . {Rolling or like devices }
- A63C 5/065 . . Anti-crossing devices
- A63C 5/07 . . comprising means for adjusting stiffness
- A63C 5/075 . . Vibration dampers (vibration dampers per se [F16F 7/00](#))
  
- A63C 5/08 . motor-driven ([A63C 5/035](#) takes precedence; { apparatus for towing skis [A63C 11/10](#)})
- A63C 5/085 . . {with rolling or like devices}
  
- A63C 5/11 . combined with sails or the like; { Accessories specially adapted for sail-skiing}
  
- A63C 5/12 . Making thereof; Selection of particular materials ([materials for the running sole A63C 5/056](#))
- A63C 5/122 . . {Selection of particular materials for damping purposes, e.g. rubber or the like}
- A63C 5/124 . . {Selection of particular materials for the upper ski surface}
- A63C 5/126 . . { Structure of the core}
- A63C 5/128 . . { A part for the binding being integrated within the board structure, e.g. plate, rail, insert}
  
- A63C 5/16 . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes
  
- A63C 7/00** **Devices preventing skis from slipping back; Ski-stoppers or ski-brakes**
- A63C 7/005 . {Devices preventing skis from slipping back, actuated by the boot}
- A63C 7/02 . Skins; Substitutes for skins
- A63C 7/04 . Fastening-devices for skins
- A63C 7/06 . Tooth-shaped running sole-plates

- A63C 7/08 . Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position
- A63C 7/10 . Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position {(not used, see subgroups)}
- A63C 7/1006 .. {Ski-stoppers (not used, see subgroups)}
- A63C 7/1013 ... {actuated by the boot (A63C 7/106 takes precedence; not used, see subgroups)}
- A63C 7/102 .... {articulated about one transverse axis}
- A63C 7/1026 ..... {laterally retractable above the ski surface}
- A63C 7/1033 .... {articulated about at least two transverse axes}
- A63C 7/104 ..... {laterally retractable above the ski surface}
- A63C 7/1046 ... {actuated by the ski-binding (A63C 7/106 takes precedence)}
- A63C 7/1053 .... {laterally retractable above the ski surface}
- A63C 7/106 ... {articulated about a longitudinal axis}
- A63C 7/1066 ... {for mono-skis or snow-ski boards}
- A63C 7/1073 .. {Ski-brakes (not used, see subgroups)}
- A63C 7/108 ... {operated by hand, e.g. using a stick, by leg or by boot}
- A63C 7/1086 ... {operated by other means, e.g. by electric, pneumatic or hydraulic means}
- A63C 7/1093 .. {Details}
- A63C 7/12 . Ski crampons preventing lateral slipping
- A63C 9/00      Ski bindings**
- A63C 9/001 . {Anti-friction devices}
- A63C 9/002 . {Strap closures or latches; Leashes}
- A63C 9/003 . {Non-swivel sole plate fixed on the ski}
- A63C 9/005 . {adjustable in length or height}
- A63C 9/006 . {with a climbing wedge}
- A63C 9/007 . {Systems preventing accumulation of forces on the binding when the ski is bending}
- A63C 2009/008 . {with a binding element sliding along an rail during use or setting }
- A63C 9/02 . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
- A63C 9/04 . Non-self-releasing long strap bindings
- A63C 9/06 . Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
- A63C 9/065 .. {Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers}

- A63C 9/08 . yieldable or self-releasing in the event of an accident, i.e. safety bindings
- A63C 9/0802 .. {other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control ([A63C 9/0885](#) takes precedence)}
- A63C 9/0805 .. {Adjustment of the toe or heel holders; Indicators therefor ([adjusting toe-clamps A63C 9/22](#))}
- A63C 9/0807 .. {for both towing and downhill skiing}
- A63C 9/081 .. with swivel sole-plate
- A63C 9/082 .. with swivel heel-plate
- A63C 9/083 .. with loosenable cable strap
- A63C 9/084 .. with heel hold-downs, e.g. swingable
  - ... { with a single jaw}
    - .... { the jaw pivoting on the body or base about a transverse axis}
  - ... { with a plurality of mobile jaws}
    - .... { the body pivoting about a transverse axis}
    - .... { the body or base or a jaw pivoting about a vertical axis, i.e. side release}
    - .... { Details of the release or step-in mechanism}
    - .... { Details of the manual release}
    - .... { Structure or making}
- A63C 9/085 .. with sole hold-downs, e.g. swingable
  - ... { with a plurality of mobile jaws}
    - .... { pivoting about a transversal axis}
    - .... { pivoting about a vertical axis, e.g. side release}
    - .... { pivoting about a longitudinal axis}
  - ... { with a mobile body or base or single jaw}
    - .... { pivoting about a transversal axis}
    - .... { pivoting about a vertical axis}
    - ... { Details of the release mechanism}
      - .... { using cam or slide surface}
      - .... { using axis and lever}
      - .... { using a plurality of biasing elements}
      - .... { using transverse biasing element}
    - ... { Structure or making}
- A63C 9/086 .. using parts which are fixed on the shoe of the user and are releasable from the ski binding
- A63C 9/088 .. with electronically controlled locking devices
- A63C 9/0885 ... {remotely operated, e.g. by the skier}
- A63C 9/10 . Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece
- A63C 9/12 . Non-self-releasing elastic heel-straps

- A63C 9/14 . Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps
- A63C 9/16 . Non-self-releasing bindings without straps, but with guiding cheeks
- A63C 9/18 . Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding
- A63C 9/20 . Non-self-releasing bindings with special sole edge holders instead of toe-straps
- A63C 9/22 . Arrangements for adjusting the toe-clamps
- A63C 9/24 . Tighteners for ski bindings ([tighteners for self-releasing ski bindings A63C 9/08](#))
- A63C 9/245 . . {forming part of a cable binding}
- A63C 10/00 Snowboard bindings**
- A63C 10/005 . { of the baseless type, i.e. without structural part under the shoe}
- A63C 10/02 . characterised by details of the shoe holders
- A63C 10/04 . . Shoe holders for passing over the shoe
- A63C 10/045 . . . with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts
- A63C 10/06 . . . Straps therefor, e.g. adjustable straps
- A63C 10/08 . . Toe or heel stirrups; Clamps
- A63C 10/10 . . using parts which are fixed on the shoe, e.g. means to facilitate step-in
- A63C 10/103 . . . on the sides of the shoe
- A63C 10/106 . . . to the front and back of the shoe
- A63C 10/12 . Yieldable or self-releasing in the event of an accident, i.e. safety bindings
- A63C 10/14 . Interfaces, e.g. in the shape of a plate
- A63C 10/145 . . between two superimposed binding systems, e.g. cradle
- A63C 10/16 . Systems for adjusting the direction or position of the bindings
- A63C 10/18 . . about a vertical rotation axis relative to the board
- A63C 10/20 . . in longitudinal or lateral direction relative to the board
- A63C 10/22 . . to fit the size of the shoe ([A63C 10/06 takes precedence](#))
- A63C 10/24 . Calf or heel supports, e.g. adjustable high back or heel loops
- A63C 10/26 . Shock or vibration dampers
- A63C 10/28 . characterised by auxiliary devices or arrangements on the bindings
- A63C 10/285 . . Pads as foot or binding supports, e.g. pads made of foam

<b>A63C 11/00</b>	<b>Accessories for skiing or snowboarding</b> (fittings on vehicles for carrying skis <a href="#">B60R 9/12</a> )
A63C 11/001	. {Seats formed of skis or of accessories for skis}
A63C 11/002	. {Stretchers formed of skis or of accessories for skis}
A63C 11/003	. {Signalling devices, e.g. acoustical or visual ( <a href="#">A63C 11/225</a> takes precedence; means for indicating the location of accidentally snow-buried persons <a href="#">A63B 29/021</a> )}
A63C 11/004	. {Anti-theft devices for skis or ski equipment ( <a href="#">A63C 11/003</a> takes precedence)}
A63C 11/005	.. {on the ski or pole}
A63C 11/006	.. {Portable locking means}
A63C 11/007	.. {Lockable ski racks, cupboards or the like}
A63C 11/008	... {coin-operated}
A63C 11/009	.. {for carrying devices}
A63C 11/02	. Devices for stretching, clamping or pressing skis or snowboards for transportation or storage
A63C 11/021	.. {Devices for binding skis in pairs, e.g. straps, clips ( <a href="#">A63C 11/023</a> takes precedence)}
A63C 11/022	... {with magnets}
A63C 11/023	.. {Carrying-devices}
A63C 11/025	... {for skis or ski-sticks}
A63C 11/026	.... {on wheels}
A63C 11/027	.. {Protectors for skis, e.g. containers on the roof of cars}
A63C 11/028	.. {Storage in cupboards or ski-racks, e.g. with clamping devices}
A63C 11/04	. for treating skis or snowboards
A63C 11/06	.. Edge-sharpeners
A63C 11/08	.. Apparatus for waxing or dewaxing (ski waxes <a href="#">C09G 3/00</a> )
A63C 11/10	. Apparatus for towing skis {(ski-lifts <a href="#">B61B 11/00</a> )}
A63C 11/12	. Apparatus for hooking the heel part of the boot to the ski
A63C 11/14	. Apparatus for repairing damaged skis or snowboards
A63C 11/16	. Special devices on boots for fastening skis thereto ( <a href="#">A63C 9/00</a> takes precedence)
A63C 11/18	. Devices for removing snow from skis, snowboards, boots or bindings
A63C 11/20	. Snow protectors on skis or snowboards
A63C 11/22	. Ski-sticks

- A63C 11/221 . . {telescopic, e.g. for varying the length or for damping shocks}
- A63C 11/222 . . {Ski-stick handles or hand-straps}
- A63C 11/224 . . . {associated with timing devices}
- A63C 11/225 . . {with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons [A63B 29/021](#))}
- A63C 11/227 . . { Details; Structure}
- A63C 11/228 . . { Accessories}
- A63C 11/24 . . Rings for ski-sticks
- A63C 11/26 . Devices for use in mounting ski-bindings to skis, e.g. jigs; {Testing or measuring devices specially adapted therefor}
- A63C 11/265 . . {Devices for testing or measuring the release force of safety ski bindings}

### **A63C 13/00 Snow shoes**

- A63C 13/001 . { Bindings therefor}
- A63C 13/003 . { Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate}
- A63C 13/005 . { Frames therefor}
- A63C 13/006 . { Shoe support thereof, e.g. plate, movable relative to the frame}
- A63C 13/008 . { Adjustable heel support therefor, e.g. climbing wedge}
- A63C 13/02 . Snow shoe rings

### **A63C 17/00 Roller skates; Skate-boards**

- A63C 17/0006 . { Accessories}
- A63C 17/0013 . . { Devices used in combination with the skate but not fixed to it, e.g. supporting frames, sail, sticks, auxiliary wheel aid [[B62D 51/06](#) Uniaxle walk-type tractors]}
- A63C 17/002 . . { Covers; Guards}
- A63C 17/0026 . { Roller skates used otherwise than standing or sitting on them, e.g. body skates}
- A63C 17/0033 . with a castor wheel, i.e. a swiveling follow-up wheel
- A63C 17/004 . with auxiliary wheels not contacting the riding surface during steady riding
- A63C 17/0046 . { with shock absorption or suspension system}
- A63C 2017/0053 . {with foot plate quick release or shoe binding }
- A63C 17/006 . { with wheels of different size or type}
- A63C 17/0066 . { with inclined wheel, i.e. not perpendicular to the surface it rolls on}



- A63C 17/0073 . { with offset wheel, i.e. wheel contact point to surface offset from other associated wheel}
- A63C 17/008 . { with retractable wheel, i.e. movable relative to the chassis out of contact from surface}
- A63C 17/0086 . { Roller skates adjustable in length to fit the size of the foot}
- A63C 17/0093 . { Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck (A63C 17/011 takes precedence)}
- A63C 17/01 . Skateboards (A63C 17/02 to A63C 17/28 take precedence; { rolling devices on skis A63C 5/035})
- A63C 17/011 . . with steering mechanisms
- A63C 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
- A63C 17/013 . . . with parallelograms, follow up wheels or direct steering action
- A63C 17/014 . . Wheel arrangements
- A63C 17/015 . . . with wheels arranged in two pairs
- A63C 17/016 . . . with wheels arranged in one track
- A63C 17/017 . . Production or mounting thereof
- A63C 17/018 . . { Ice skateboards}
- A63C 17/02 . with wheels arranged in two pairs {(A63C 17/01 takes precedence)}
- A63C 17/04 . with wheels arranged otherwise than in two pairs {(A63C 17/01 takes precedence)}
- A63C 17/045 . . Roller skis
- A63C 17/06 . . single-track type
- A63C 17/061 . . . with relative movement of sub-parts on the chassis
- A63C 17/062 . . . . with a pivotal frame or cradle around transversal axis for relative movements of the wheels
- A63C 17/064 . . . . comprising steered wheels, i.e. wheels supported on a vertical axis
- A63C 17/065 . . . { with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate}
- A63C 17/067 . . . with adjustable position of the foot plate or shoe relative to the chassis
- A63C 17/068 . . . Production or mounting thereof
- A63C 17/08 . . . { Single-wheel type with single axis }
- A63C 17/10 . with endless tracks
- A63C 17/12 . with driving mechanisms
- A63C 17/14 . with brakes, e.g. toe stoppers, freewheel roller clutches
- A63C 17/1409 . . {contacting one or more of the wheels}
- A63C 17/1418 . . . with radial movement against the roll surface of the wheel

- A63C 17/1427 . . . the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks
- A63C 17/1436 . . {contacting the ground}
- A63C 17/1445 . . {contacting the ground and one or more of the wheels}
- A63C 17/1454 . . {Freewheel roller clutches}
- A63C 2017/1463 . . {Foot or toe operated }
- A63C 2017/1472 . . {Hand operated }
- A63C 2017/1481 . . {Leg or ankle operated }
- A63C 2017/149 . . {Stick operated }
  
- A63C 17/16 . for use on specially shaped or arranged runways
- A63C 17/18 . convertible into ice or snow-running skates
- A63C 17/20 . with fixable wheels permitting the skates to be used for walking
- A63C 17/22 . Wheels for roller skates
- A63C 17/223 . . { Wheel hubs}
- A63C 17/226 . . N: Wheel mounting, i.e. arrangement connecting wheel and axle mount]
- A63C 17/24 . . with ball-shaped or spherical running surfaces
  
- A63C 17/26 . with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
- A63C 17/262 . . with foot bindings or supports therefor
- A63C 17/265 . . with handles or hand supports
- A63C 17/267 . . combined with wings or sails
  
- A63C 17/28 . with arrangements for sitting
  
- A63C 19/00** **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](#))
  
- A63C 19/005 . {Boxing rings}
- A63C 19/02 . Shaping of the surface of courts according to the necessities of the different games ({surface construction [E01C](#)})
- A63C 19/04 . Mats or carpets for courts
- A63C 19/06 . Apparatus for setting-out or dividing courts
- A63C 19/062 . . {Slalom gate poles, posts or marking sticks for sport fields}
- A63C 19/065 . . { Line markings, e.g. tapes; Methods therefor}
- A63C 2019/067 . . . {Machines for marking }
- A63C 19/08 . . Mechanical means for marking-out

A63C 2019/085 . . . {Fences; Nets; Barriers }

A63C 19/10 . 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](#))

A63C 19/12 . Removable protective covers for courts, rinks, or game pitches or the like

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### **A63C 2201/00 Use of skates, skis, roller-skates, snowboards and courts**

A63C 2201/02 . Aggressive riding, e.g. grinding

A63C 2201/04 . Ski jumping

A63C 2201/06 . Telemark

A63C 2201/10 . for handicapped people

A63C 2201/12 . Tandem riding

### **Guidance heading: Skates; Accessories for skating**

### **A63C 2203/00 Special features of skates, skis, roller-skates, snowboards and courts**

A63C 2203/02 . enabling transverse riding, i.e. with one runner or skate per foot and direction transverse to the foot

A63C 2203/06 . enabling conversion into another device

A63C 2203/065 . . replacing in the binding the shoe by another device

A63C 2203/08 . Decoration

A63C 2203/10 . enabling folding, collapsing

A63C 2203/12 . Electrically powered or heated

A63C 2203/14 . Lighting means

A63C 2203/16 . Inflatable

A63C 2203/18 . Measuring a physical parameter, e.g. speed, distance

A63C 2203/20 . Shock or vibration absorbing

A63C 2203/22 . Radio waves emitting or receiving, e.g. remote control, RFID

A63C 2203/24 . Processing or storing data, e.g. with electronic chip

- [A63C 2203/40](#) . Runner or deck of boards articulated between both feet
- [A63C 2203/42](#) . Details of chassis of ice or roller skates, of decks of skateboards
- [A63C 2203/44](#) . Storage or transportation means for ice or roller skates
- [A63C 2203/46](#) . Skateboards or boards for snow having superimposed decks
- [A63C 2203/48](#) . Roller or ice skates adjustable in width
- [A63C 2203/50](#) . Skis, skates or boards with shoe-like cradles comprising additional leg support
- [A63C 2203/52](#) . Direct actuation of steering of roller skate or skateboards, e.g. by a foot plate
- [A63C 2203/54](#) . Snowboard or ski binding or interface allowing pivoting motion during riding