

# 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-scrappers}
  - 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

- 5/07 . . comprising means for adjusting stiffness
- 5/075 . . Vibration dampers ([vibration dampers per se F16F 7/00](#))
- 5/08 . . motor-driven ([A63C 5/035 takes precedence; apparatus for towing skis A63C 11/10](#))
- 5/085 . . {with rolling or like devices}
- 5/11 . . combined with sails or the like {; Accessories specially adapted for sail-skiing}
- NOTE**
- 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](#).
- 5/12 . . Making thereof; Selection of particular materials ([materials for the running sole A63C 5/056](#))
- 5/122 . . {Selection of particular materials for damping purposes, e.g. rubber or the like}
- 5/124 . . {Selection of particular materials for the upper ski surface}
- 5/126 . . {Structure of the core}
- 5/128 . . {A part for the binding being integrated within the board structure, e.g. plate, rail, insert}
- 5/16 . . Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes
- 7/00 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-plates
- 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
- 9/00 Ski bindings**
- 9/001 . . {Anti-friction devices}
- 9/002 . . {Strap closures or latches; Leashes}
- 9/003 . . {Non-swivel sole plate fixed on the ski}
- 9/005 . . {with means for adjusting the position of a shoe holder or of the complete binding relative to the ski}
- 9/0053 . . {for length adjustment}
- 9/0057 . . {for height adjustment}
- 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}
- 9/02 . . Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-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}
- 9/081 . . with swivel sole-plate
- 9/082 . . with swivel heel-plate
- 9/083 . . with loosenable cable strap
- 9/084 . . with heel hold-downs, e.g. swingable
- 9/0841 . . . {with a single jaw}
- 9/0842 . . . . {the jaw pivoting on the body or base about a transverse axis}
- 9/0843 . . . . {with a plurality of mobile jaws}
- 9/0844 . . . . {the body pivoting about a transverse axis}
- 9/0845 . . . . {the body or base or a jaw pivoting about a vertical axis, i.e. side release}
- 9/0846 . . . . {Details of the release or step-in mechanism}
- 9/0847 . . . . {Details of the manual release}
- 9/0848 . . . . {Structure or making}
- 9/085 . . with sole hold-downs, e.g. swingable
- 9/08507 . . . {with a plurality of mobile jaws}
- 9/08514 . . . . {pivoting about a transversal axis}
- 9/08521 . . . . . {pivoting about a vertical axis, e.g. side release}
- 9/08528 . . . . . {pivoting about a longitudinal axis}
- 9/08535 . . . . {with a mobile body or base or single jaw}
- 9/08542 . . . . . {pivoting about a transversal axis}
- 9/0855 . . . . . {pivoting about a vertical axis}
- 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	11/007	• • {Lockable ski racks, cupboards or the like}
9/12	• Non-self-releasing elastic heel-straps	11/008	• • • {coin-operated}
9/14	• Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps	11/009	• • {for carrying devices}
9/16	• Non-self-releasing bindings without straps, but with guiding cheeks	11/02	• Devices for stretching, clamping or pressing skis or snowboards for transportation or storage
9/18	• Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding	11/021	• • {Devices for binding skis in pairs, e.g. straps, clips ( <a href="#">A63C 11/023</a> takes precedence)}
9/20	• Non-self-releasing bindings with special sole edge holders instead of toe-straps	11/022	• • • {with magnets}
9/22	• Arrangements for adjusting the toe-clamps	11/023	• • {Carrying-devices}
9/24	• Tighteners for ski bindings ( <a href="#">tighteners for self-releasing ski bindings A63C 9/08</a> )	11/025	• • • {for skis or ski-sticks}
9/245	• • {forming part of a cable binding}	11/026	• • • • {on wheels}
<b>10/00</b>	<b>Snowboard bindings</b>	11/027	• • {Protectors for skis, e.g. containers on the roof of cars}
10/005	• {of the baseless type, i.e. without structural part under the shoe}	11/028	• • {Storage in cupboards or ski-racks, e.g. with clamping devices}
10/02	• characterised by details of the shoe holders	11/04	• for treating skis or snowboards
10/04	• • Shoe holders for passing over the shoe	11/06	• • Edge-sharpener
10/045	• • • {with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts}	11/08	• • Apparatus for waxing or dewaxing ( <a href="#">ski waxes C09G 3/00</a> )
10/06	• • • Straps therefor, e.g. adjustable straps	11/10	• Apparatus for towing skis {( <a href="#">ski-lifts B61B 11/00</a> )}
10/08	• • Toe or heel stirrups; Clamps	11/12	• Apparatus for hooking the heel part of the boot to the ski
10/10	• • using parts which are fixed on the shoe, e.g. means to facilitate step-in	11/14	• Apparatus for repairing damaged skis or snowboards
10/103	• • • {on the sides of the shoe}	11/16	• Special devices on boots for fastening skis thereto ( <a href="#">A63C 9/00</a> takes precedence)
10/106	• • • {to the front and back of the shoe}	11/18	• Devices for removing snow from skis, snowboards, boots or bindings
10/12	• Yieldable or self-releasing in the event of an accident, i.e. safety bindings	11/20	• Snow protectors on skis or snowboards
10/14	• Interfaces, e.g. in the shape of a plate	11/22	• Ski-sticks
10/145	• • {between two superimposed binding systems, e.g. cradle}	11/221	• • {telescopic, e.g. for varying the length or for damping shocks}
10/16	• Systems for adjusting the direction or position of the bindings	11/222	• • {Ski-stick handles or hand-straps}
10/18	• • about a vertical rotation axis relative to the board	11/2224	• • • {Connection systems for hand-straps}
10/20	• • in longitudinal or lateral direction relative to the board	11/2228	• • • {Details of hand-straps}
10/22	• • to fit the size of the shoe ( <a href="#">A63C 10/06</a> takes precedence)	11/224	• • • {associated with timing devices}
10/24	• Calf or heel supports, e.g. adjustable high back or heel loops	11/225	• • {with signalling devices, e.g. acoustical or visual ( <a href="#">means for indicating the location of accidentally snow-buried persons A63B 29/021</a> )}
10/26	• Shock or vibration dampers	11/227	• • {Details; Structure}
10/28	• characterised by auxiliary devices or arrangements on the bindings	11/228	• • {Accessories}
10/285	• • {Pads as foot or binding supports, e.g. pads made of foam}	11/24	• • Rings for ski-sticks
<b>11/00</b>	<b>Accessories for skiing or snowboarding (fittings on vehicles for carrying skis <a href="#">B60R 9/12</a>)</b>	11/26	• Devices for use in mounting ski-bindings to skis, e.g. jigs; {Testing or measuring devices specially adapted therefor}
11/001	• {Seats formed of skis or of accessories for skis}	11/265	• • {Devices for testing or measuring the release force of safety ski bindings}
11/002	• {Stretchers formed of skis or of accessories for skis}		
11/003	• {Signalling devices, e.g. acoustical or visual ( <a href="#">A63C 11/225</a> takes precedence; <a href="#">means for indicating the location of accidentally snow-buried persons A63B 29/021</a> )}		
11/004	• {Anti-theft devices for skis or ski equipment ( <a href="#">A63C 11/003</a> takes precedence)}		
11/005	• • {on the ski or pole}	<b>13/00</b>	<b>Snow shoes</b>
11/006	• • {Portable locking means}	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
		<b>17/00</b>	<b>Roller skates; Skate-boards</b>
		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](#))}
- 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 foot plate quick release or shoe binding}
- 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}
- 17/08 . . . 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
- 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](#))
- 19/005 . {Boxing rings}
- 19/02 . Shaping of the surface of courts according to the necessities of the different games ({[surface construction E01C](#)})
- 19/04 . Mats or carpets for courts
- 19/06 . Apparatus for setting-out or dividing courts
- 19/062 . . {Slalom gate poles, posts or marking sticks for sport fields}
- 19/065 . . {Line markings, e.g. tapes; Methods therefor}
- 2019/067 . . . {Machines for marking}
- 19/08 . . Mechanical means for marking-out
- 2019/085 . . . {Fences; Nets; Barriers}
- 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](#))
- 19/12 . Removable protective covers for courts, rinks, or game pitches or the like
- 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