

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	9/00	Ski bindings
5/075	. . Vibration dampers (vibration dampers per se F16F 7/00)	9/001	. {Anti-friction devices}
5/08	. motor-driven (A63C 5/035 takes precedence; apparatus for towing skis A63C 11/10)	9/002	. {Strap closures or latches; Leashes}
5/085	. . {with rolling or like devices}	9/003	. {Non-swivel sole plate fixed on the ski}
5/11	. combined with sails or the like {; Accessories specially adapted for sail-skiing}	9/005	. {with means for adjusting the position of a shoe holder or of the complete binding relative to the ski}
	NOTE	9/0053	. . {for length 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 .	9/0057	. . {for height adjustment}
		9/006	. {with a climbing wedge}
		9/007	. {Systems preventing accumulation of forces on the binding when the ski is bending}
5/12	. Making thereof; Selection of particular materials (materials for the running sole A63C 5/056)	2009/008	. {with a binding element sliding along a rail during use or setting}
5/122	. . {Selection of particular materials for damping purposes, e.g. rubber or the like}	9/02	. Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
5/124	. . {Selection of particular materials for the upper ski surface}	9/04	. Non-self-releasing long strap bindings
5/126	. . {Structure of the core}	9/06	. Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
5/128	. . {A part for the binding being integrated within the board structure, e.g. plate, rail, insert}	9/065	. . {Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers}
5/16	. Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes	9/08	. yieldable or self-releasing in the event of an accident, i.e. safety bindings
7/00	Devices preventing skis from slipping back; Ski-stoppers or ski-brakes	9/0802	. . {other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control (A63C 9/0885 takes precedence)}
7/005	. {Devices preventing skis from slipping back, actuated by the boot}	9/0805	. . {Adjustment of the toe or heel holders; Indicators therefor (adjusting toe-clamps A63C 9/22)}
7/02	. Skins; Substitutes for skins	9/0807	. . {for both towing and downhill skiing}
7/04	. Fastening-devices for skins	9/081	. . with swivel sole-plate
7/06	. Tooth-shaped running sole-plates	9/082	. . with swivel heel-plate
7/08	. Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position	9/083	. . with loosenable cable strap
7/10	. Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position	9/084	. . with heel hold-downs, e.g. swingable
7/1006	. . {Ski-stoppers}	9/0841	. . . {with a single jaw}
7/1013	. . . {actuated by the boot (A63C 7/106 takes precedence)}	9/0842	. . . . {the jaw pivoting on the body or base about a transverse axis}
7/102	. . . . {articulated about one transverse axis}	9/0843	. . . . {with a plurality of mobile jaws}
7/1026	. . . . . {laterally retractable above the ski surface}	9/0844	. . . . {the body pivoting about a transverse axis}
7/1033	. . . . . {articulated about at least two transverse axes}	9/0845	. . . . {the body or base or a jaw pivoting about a vertical axis, i.e. side release}
7/104	. . . . . {laterally retractable above the ski surface}	9/0846	. . . . {Details of the release or step-in mechanism}
7/1046	. . . . {actuated by the ski-binding (A63C 7/106 takes precedence)}	9/0847	. . . . {Details of the manual release}
7/1053	. . . . . {laterally retractable above the ski surface}	9/0848	. . . . {Structure or making}
7/106	. . . . {articulated about a longitudinal axis}	9/085	. . with sole hold-downs, e.g. swingable
7/1066	. . . . {for mono-skis or snow-ski boards}	9/08507	. . . . {with a plurality of mobile jaws}
7/1073	. . {Ski-brakes}	9/08514	. . . . . {pivoting about a transversal axis}
7/108	. . . {operated by hand, e.g. using a stick, by leg or by boot}	9/08521	. . . . . {pivoting about a vertical axis, e.g. side release}
7/1086	. . . {operated by other means, e.g. by electric, pneumatic or hydraulic means}	9/08528	. . . . . {pivoting about a longitudinal axis}
7/1093	. . {Details}	9/08535	. . . . . {with a mobile body or base or single jaw}
7/12	. Ski crampons preventing lateral slipping	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 (A63C 11/023 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 (tighteners for self-releasing ski bindings A63C 9/08)	11/025	• • • {for skis or ski-sticks}
9/245	• • {forming part of a cable binding}	11/026	• • • • {on wheels}
10/00	Snowboard bindings	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 (ski waxes C09G 3/00)
10/06	• • • Straps therefor, e.g. adjustable straps	11/10	• Apparatus for towing skis {(ski-lifts B61B 11/00)}
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 (A63C 9/00 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 (A63C 10/06 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 (means for indicating the location of accidentally snow-buried persons A63B 29/021)}
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
11/00	Accessories for skiing or snowboarding (fittings on vehicles for carrying skis B60R 9/12)	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 (A63C 11/225 takes precedence; means for indicating the location of accidentally snow-buried persons A63B 29/021)}	13/00	Snow shoes
11/004	• {Anti-theft devices for skis or ski equipment (A63C 11/003 takes precedence)}	13/001	• {Bindings therefor}
11/005	• • {on the ski or pole}	13/003	• {Means thereof for preventing slipping, e.g. crampons, e.g. on frame or shoe plate}
11/006	• • {Portable locking means}	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 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