

# 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](#))

##### WARNING

Group [A63C 5/00](#) is impacted by reclassification into group [A63C 5/025](#).

Groups [A63C 5/00](#) and [A63C 5/025](#) should be considered in order to perform a complete search.

- 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

##### WARNING

Group [A63C 5/02](#) is impacted by reclassification into group [A63C 5/025](#).

Groups [A63C 5/02](#) and [A63C 5/025](#) should be considered in order to perform a complete search.

- 5/025 . Short skis

##### WARNING

Group [A63C 5/025](#) is incomplete pending reclassification of documents from groups [A63C 5/00](#) and [A63C 5/02](#).

Groups [A63C 5/00](#), [A63C 5/02](#) and [A63C 5/025](#) should be considered in order to perform a complete search.

- 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	7/04	• Fastening-devices for skins
5/04	• Structure of the surface thereof	7/06	• Tooth-shaped running sole-plates
5/0405	• • {Shape thereof when projected on a plane, e.g. sidecut, camber, rocker}	7/08	• Stoppage blades attachable to the skis in such manner that these blades are permanently in the operative position
5/0411	• • • {asymmetric}	7/10	• Hinged stoppage blades attachable to the skis in such manner that these blades can be moved out of the operative position
5/0417	• • {with fins or longitudinal protrusions on the running sole}	7/1006	• • {Ski-stoppers}
5/0422	• • {Longitudinal guiding grooves}	7/1013	• • • {actuated by the boot ( <a href="#">A63C 7/106</a> takes precedence)}
5/0428	• • {Other in-relief running soles (tooth-shaped running sole-plates <a href="#">A63C 7/06</a> )}	7/102	• • • • {articulated about one transverse axis}
5/0434	• • {of the side walls}	7/1026	• • • • • {laterally retractable above the ski surface}
5/044	• • of the running sole	7/1033	• • • • • {articulated about at least two transverse axes}
5/048	• • of the edges	7/104	• • • • • {laterally retractable above the ski surface}
5/0485	• • • {Complementary or supplementary ski edges}	7/1046	• • • {actuated by the ski-binding ( <a href="#">A63C 7/106</a> takes precedence)}
5/052	• • of the tips or rear ends	7/1053	• • • • {laterally retractable above the ski surface}
5/056	• • Materials for the running sole	7/106	• • • {articulated about a longitudinal axis}
5/06	• with special devices thereon, e.g. steering devices	7/1066	• • • {for mono-skis or snow-ski boards}
5/061	• • {Ski-boot sole-scrapers}	7/1073	• • {Ski-brakes}
5/062	• • {Protection or reinforcement devices for the ski-tip or the ski rear end}	7/108	• • • {operated by hand, e.g. using a stick, by leg or by boot}
2005/063	• • {Rolling or like devices}	7/1086	• • • {operated by other means, e.g. by electric, pneumatic or hydraulic means}
5/065	• • Anti-crossing devices	7/1093	• • {Details}
5/07	• • comprising means for adjusting stiffness	7/12	• Ski crampons preventing lateral slipping
5/075	• • Vibration dampers ( <a href="#">vibration dampers per se F16F 7/00</a> )		
5/08	• motor-driven ( <a href="#">A63C 5/035</a> takes precedence; {apparatus for towing skis <a href="#">A63C 11/10</a> })	<b>9/00</b>	<b>Ski bindings</b>
5/085	• • {with rolling or like devices}	9/001	• {Anti-friction devices}
5/11	• combined with sails or the like {; Accessories specially adapted for sail-skiing}	9/002	• {Strap closures or latches; Leashes}
	<b>NOTE</b>	9/003	• {Non-swivel sole plate fixed on the ski}
	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 <a href="#">B63H</a> , e.g. in groups <a href="#">B63H 8/00</a> , <a href="#">B63H 9/04</a> .	9/005	• {with means for adjusting the position of a shoe holder or of the complete binding relative to the ski}
	<b>WARNING</b>	9/0053	• • {for length adjustment}
	Group <a href="#">A63C 5/11</a> is impacted by reclassification into groups <a href="#">B63H 8/00</a> - <a href="#">B63H 8/70</a> and <a href="#">B63H 9/04</a> - <a href="#">B63H 9/072</a> .	9/0057	• • {for height adjustment}
	All groups listed in this Warning should be considered in order to perform a complete search.	9/006	• {with a climbing wedge}
5/12	• Making thereof; Selection of particular materials ( <a href="#">materials for the running sole <a href="#">A63C 5/056</a></a> )	9/007	• {Systems preventing accumulation of forces on the binding when the ski is bending}
5/122	• • {Selection of particular materials for damping purposes, e.g. rubber or the like}	2009/008	• {with a binding element sliding along a rail during use or setting}
5/124	• • {Selection of particular materials for the upper ski surface}	9/02	• Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type
5/126	• • {Structure of the core}	9/04	• Non-self-releasing long strap bindings
5/128	• • {A part for the binding being integrated within the board structure, e.g. plate, rail, insert}	9/06	• Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski
5/16	• Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes	9/065	• • {Details, e.g. cables, guides for cables, sockets, hooks, claws or stretchers}
<b>7/00</b>	<b>Devices preventing skis from slipping back; Ski-stoppers or ski-brakes</b>	9/08	• yieldable or self-releasing in the event of an accident, i.e. safety bindings
7/005	• {Devices preventing skis from slipping back, actuated by the boot}	9/0802	• • {other than mechanically controlled, e.g. electric, electronic, hydraulic, pneumatic, magnetic, pyrotechnic devices; Remote control ( <a href="#">A63C 9/0885</a> takes precedence)}
7/02	• Skins; Substitutes for skins	9/0805	• • {Adjustment of the toe or heel holders; Indicators therefor ( <a href="#">adjusting toe-clamps <a href="#">A63C 9/22</a></a> )}
		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}	10/145	. . {between two superimposed binding systems, e.g. cradle}
9/0842	. . . . {the jaw pivoting on the body or base about a transverse axis}	10/16	. Systems for adjusting the direction or position of the bindings
9/0843	. . . {with a plurality of mobile jaws}	10/18	. . about a vertical rotation axis relative to the board
9/0844	. . . {the body pivoting about a transverse axis}	10/20	. . in longitudinal or lateral direction relative to the board
9/0845	. . . {the body or base or a jaw pivoting about a vertical axis, i.e. side release}	10/22	. . to fit the size of the shoe ( <a href="#">A63C 10/06</a> takes precedence)
9/0846	. . . {Details of the release or step-in mechanism}	10/24	. Calf or heel supports, e.g. adjustable high back or heel loops
9/0847	. . . {Details of the manual release}	10/26	. Shock or vibration dampers
9/0848	. . . {Structure or making}	10/28	. characterised by auxiliary devices or arrangements on the bindings
9/085	. . with sole hold-downs, e.g. swingable	10/285	. . {Pads as foot or binding supports, e.g. pads made of foam}
9/08507	. . . {with a plurality of mobile jaws}		
9/08514	. . . . {pivoting about a transversal axis}	<b>11/00</b>	<b>Accessories for skiing or snowboarding (fittings on vehicles for carrying skis <a href="#">B60R 9/12</a>)</b>
9/08521	. . . . {pivoting about a vertical axis, e.g. side release}	11/001	. {Seats formed of skis or of accessories for skis}
9/08528	. . . . {pivoting about a longitudinal axis}	11/002	. {Stretchers formed of skis or of accessories for skis}
9/08535	. . . {with a mobile body or base or single jaw}	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> )}
9/08542	. . . . {pivoting about a transversal axis}	11/004	. {Anti-theft devices for skis or ski equipment ( <a href="#">A63C 11/003</a> takes precedence)}
9/0855	. . . . {pivoting about a vertical axis}	11/005	. . {on the ski or pole}
9/08557	. . . {Details of the release mechanism}	11/006	. . {Portable locking means}
9/08564	. . . . {using cam or slide surface}	11/007	. . {Lockable ski racks, cupboards or the like}
9/08571	. . . . {using axis and lever}	11/008	. . . {coin-operated}
9/08578	. . . . {using a plurality of biasing elements}	11/009	. . {for carrying devices}
9/08585	. . . . {using transverse biasing element}	11/02	. Devices for stretching, clamping or pressing skis or snowboards for transportation or storage
9/08592	. . . {Structure or making}	11/021	. . {Devices for binding skis in pairs, e.g. straps, clips ( <a href="#">A63C 11/023</a> takes precedence)}
9/086	. . using parts which are fixed on the shoe of the user and are releasable from the ski binding	11/022	. . . {with magnets}
9/088	. . with electronically controlled locking devices	11/023	. . {Carrying-devices}
9/0885	. . . {remotely operated, e.g. by the skier}	11/025	. . . {for skis or ski-sticks}
9/10	. Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece	11/026	. . . . {on wheels}
9/12	. Non-self-releasing elastic heel-straps	11/027	. . {Protectors for skis, e.g. containers on the roof of cars}
9/14	. Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps	11/028	. . {Storage in cupboards or ski-racks, e.g. with clamping devices}
9/16	. Non-self-releasing bindings without straps, but with guiding cheeks	11/04	. for treating skis or snowboards
9/18	. Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding	11/06	. . Edge-sharpeners
9/20	. Non-self-releasing bindings with special sole edge holders instead of toe-straps	11/08	. . Apparatus for waxing or dewaxing ( <a href="#">ski waxes C09G 3/00</a> )
9/22	. Arrangements for adjusting the toe-clamps	11/10	. Apparatus for towing skis {(ski-lifts <a href="#">B61B 11/00</a> )}
9/24	. Tighteners for ski bindings ( <a href="#">tighteners for self-releasing ski bindings A63C 9/08</a> )	11/12	. Apparatus for hooking the heel part of the boot to the ski
9/245	. . {forming part of a cable binding}	11/14	. Apparatus for repairing damaged skis or snowboards
<b>10/00</b>	<b>Snowboard bindings</b>	11/16	. Special devices on boots for fastening skis thereto ( <a href="#">A63C 9/00</a> takes precedence)
10/005	. {of the baseless type, i.e. without structural part under the shoe}	11/18	. Devices for removing snow from skis, snowboards, boots or bindings
10/02	. characterised by details of the shoe holders	11/20	. Snow protectors on skis or snowboards
10/04	. . Shoe holders for passing over the shoe	11/22	. Ski-sticks
10/045	. . . {with means to ease introduction of the shoe, e.g. by collapsing upstanding shoe holder parts}	11/221	. . {telescopic, e.g. for varying the length or for damping shocks}
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}		
10/106	. . . {to the front and back of the shoe}		
10/12	. Yieldable or self-releasing in the event of an accident, i.e. safety bindings		
10/14	. Interfaces, e.g. in the shape of a plate		

11/222	. . {Ski-stick handles or hand-straps}	17/0033	. {with a castor wheel, i.e. a swiveling follow-up wheel}
<b>WARNING</b>		17/004	. {with auxiliary wheels not contacting the riding surface during steady riding}
Group <a href="#">A63C 11/222</a> is impacted by reclassification into groups <a href="#">A63C 11/2224</a> and <a href="#">A63C 11/2228</a> .		17/0046	. {with shock absorption or suspension system}
Groups <a href="#">A63C 11/222</a> , <a href="#">A63C 11/2224</a> and <a href="#">A63C 11/2228</a> should be considered in order to perform a complete search.		2017/0053	. {with foot plate quick release or shoe binding}
11/2224	. . . {Connection systems for hand-straps}	17/006	. {with wheels of different size or type}
<b>WARNING</b>		17/0066	. {with inclined wheel, i.e. not perpendicular to the surface it rolls on}
Group <a href="#">A63C 11/2224</a> is incomplete pending reclassification of documents from group <a href="#">A63C 11/222</a> .		17/0073	. {with offset wheel, i.e. wheel contact point to surface offset from other associated wheel}
Groups <a href="#">A63C 11/222</a> and <a href="#">A63C 11/2224</a> should be considered in order to perform a complete search.		17/008	. {with retractable wheel, i.e. movable relative to the chassis out of contact from surface}
11/2228	. . . {Details of hand-straps}	17/0086	. {Roller skates adjustable in length to fit the size of the foot}
<b>WARNING</b>		17/0093	. {Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck ( <a href="#">A63C 17/011</a> takes precedence)}
Group <a href="#">A63C 11/2228</a> is incomplete pending reclassification of documents from group <a href="#">A63C 11/222</a> .		17/01	. Skateboards ( <a href="#">A63C 17/02</a> - <a href="#">A63C 17/28</a> take precedence; {rolling devices on skis <a href="#">A63C 5/035</a> })
Groups <a href="#">A63C 11/222</a> and <a href="#">A63C 11/2228</a> should be considered in order to perform a complete search.		17/011	. . {with steering mechanisms}
11/224	. . . {associated with timing devices}	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}
11/225	. . {with signalling devices, e.g. acoustical or visual (means for indicating the location of accidentally snow-buried persons <a href="#">A63B 29/021</a> )}	17/013	. . . {with parallelograms, follow up wheels or direct steering action}
11/227	. . {Details; Structure}	17/014	. . {Wheel arrangements}
11/228	. . {Accessories}	17/015	. . . {with wheels arranged in two pairs}
11/24	. . Rings for ski-sticks	17/016	. . . {with wheels arranged in one track}
11/26	. Devices for use in mounting ski-bindings to skis, e.g. jigs; {Testing or measuring devices specially adapted therefor}	17/017	. . {Production or mounting thereof}
11/265	. . {Devices for testing or measuring the release force of safety ski bindings}	17/018	. . {Ice skateboards}
		17/02	. with wheels arranged in two pairs {( <a href="#">A63C 17/01</a> takes precedence)}
		17/04	. with wheels arranged otherwise than in two pairs {( <a href="#">A63C 17/01</a> 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}
<hr/>			
<b>13/00</b>	<b>Snow shoes</b>		
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 ( <a href="#">uni axle walk-type tractors B62D 51/06</a> )}		
17/002	. . {Covers; Guards}		
17/0026	. {Roller skates used otherwise than standing or sitting on them, e.g. body skates}		

- 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