

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

- The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

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|----------------------------|------------|---------------------------|
| A63C 5/025 | covered by | A63C 5/00 |
| 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

3/14 . Keys for skates

- 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

Skis; Accessories for skiing

- 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
 - 5/03 . 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)
- 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 ([not used, see subgroups](#))
- 7/1006 . . {Ski-stoppers ([not used, see subgroups](#))}
- 7/1013 {actuated by the boot ([A63C 7/106 takes precedence; not used, see subgroups](#))}
- 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 ([not used, see subgroups](#))}
- 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 . . {adjustable in length or height}
- 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
- 9/12 . . Non-self-releasing elastic heel-straps
- 9/14 . . Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps
- 9/16 . . Non-self-releasing bindings without straps, but with guiding cheeks

- 9/18 . Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding
- 9/20 . Non-self-releasing bindings with special sole edge holders instead of toe-straps
- 9/22 . Arrangements for adjusting the toe-clamps
- 9/24 . Tighteners for ski bindings ([tighteners for self-releasing ski bindings A63C 9/08](#))
- 9/245 . . {forming part of a cable binding}
- 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}
- 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
- 10/145 . . {between two superimposed binding systems, e.g. cradle}
- 10/16 . Systems for adjusting the direction or position of the bindings
- 10/18 . . about a vertical rotation axis relative to the board
- 10/20 . . in longitudinal or lateral direction relative to the board
- 10/22 . . to fit the size of the shoe ([A63C 10/06 takes precedence](#))
- 10/24 . Calf or heel supports, e.g. adjustable high back or heel loops
- 10/26 . Shock or vibration dampers
- 10/28 . characterised by auxiliary devices or arrangements on the bindings
- 10/285 . . {Pads as foot or binding supports, e.g. pads made of foam}
- 11/00 Accessories for skiing or snowboarding (fittings on vehicles for carrying skis B60R 9/12)**
- 11/001 . {Seats formed of skis or of accessories for skis}
- 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](#))}
- 11/004 . {Anti-theft devices for skis or ski equipment ([A63C 11/003 takes precedence](#))}
- 11/005 . . {on the ski or pole}
- 11/006 . . {Portable locking means}
- 11/007 . . {Lockable ski racks, cupboards or the like}
- 11/008 . . . {coin-operated}
- 11/009 . . {for carrying devices}
- 11/02 . Devices for stretching, clamping or pressing skis or snowboards for transportation or storage
- 11/021 . . {Devices for binding skis in pairs, e.g. straps, clips ([A63C 11/023 takes precedence](#))}
- 11/022 . . . {with magnets}
- 11/023 . . {Carrying-devices}
- 11/025 . . . {for skis or ski-sticks}
- 11/026 {on wheels}
- 11/027 . . {Protectors for skis, e.g. containers on the roof of cars}
- 11/028 . . {Storage in cupboards or ski-racks, e.g. with clamping devices}
- 11/04 . for treating skis or snowboards
- 11/06 . . Edge-sharpeners
- 11/08 . . Apparatus for waxing or dewaxing ([ski waxes C09G 3/00](#))
- 11/10 . Apparatus for towing skis {(ski-lifts [B61B 11/00](#))}
- 11/12 . Apparatus for hooking the heel part of the boot to the ski
- 11/14 . Apparatus for repairing damaged skis or snowboards
- 11/16 . Special devices on boots for fastening skis thereto ([A63C 9/00 takes precedence](#))
- 11/18 . Devices for removing snow from skis, snowboards, boots or bindings
- 11/20 . Snow protectors on skis or snowboards
- 11/22 . Ski-sticks
- 11/221 . . {telescopic, e.g. for varying the length or for damping shocks}
- 11/222 . . {Ski-stick 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 (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}

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| 2017/0053 | <ul style="list-style-type: none"> • {with foot plate quick release or shoe binding} | 2017/1481 | <ul style="list-style-type: none"> • • {Leg or ankle operated} |
| 17/006 | <ul style="list-style-type: none"> • {with wheels of different size or type} | 2017/149 | <ul style="list-style-type: none"> • • {Stick operated} |
| 17/0066 | <ul style="list-style-type: none"> • {with inclined wheel, i.e. not perpendicular to the surface it rolls on} | 17/16 | <ul style="list-style-type: none"> • for use on specially shaped or arranged runways |
| 17/0073 | <ul style="list-style-type: none"> • {with offset wheel, i.e. wheel contact point to surface offset from other associated wheel} | 17/18 | <ul style="list-style-type: none"> • convertible into ice or snow-running skates |
| 17/008 | <ul style="list-style-type: none"> • {with retractable wheel, i.e. movable relative to the chassis out of contact from surface} | 17/20 | <ul style="list-style-type: none"> • with fixable wheels permitting the skates to be used for walking |
| 17/0086 | <ul style="list-style-type: none"> • {Roller skates adjustable in length to fit the size of the foot} | 17/22 | <ul style="list-style-type: none"> • Wheels for roller skates |
| 17/0093 | <ul style="list-style-type: none"> • {Mechanisms transforming leaning into steering through an inclined geometrical axis, e.g. truck (A63C 17/011 takes precedence)} | 17/223 | <ul style="list-style-type: none"> • • {Wheel hubs} |
| 17/01 | <ul style="list-style-type: none"> • Skateboards (A63C 17/02 - A63C 17/28 take precedence; rolling devices on skis A63C 5/035) | 17/226 | <ul style="list-style-type: none"> • • {Wheel mounting, i.e. arrangement connecting wheel and axle mount} |
| 17/011 | <ul style="list-style-type: none"> • • {with steering mechanisms} | 17/24 | <ul style="list-style-type: none"> • • with ball-shaped or spherical running surfaces |
| 17/012 | <ul style="list-style-type: none"> • • • {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} | 17/26 | <ul style="list-style-type: none"> • with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices |
| 17/013 | <ul style="list-style-type: none"> • • • {with parallelograms, follow up wheels or direct steering action} | 17/262 | <ul style="list-style-type: none"> • • {with foot bindings or supports therefor} |
| 17/014 | <ul style="list-style-type: none"> • • {Wheel arrangements} | 17/265 | <ul style="list-style-type: none"> • • {with handles or hand supports} |
| 17/015 | <ul style="list-style-type: none"> • • • {with wheels arranged in two pairs} | 17/267 | <ul style="list-style-type: none"> • • {combined with wings or sails} |
| 17/016 | <ul style="list-style-type: none"> • • • {with wheels arranged in one track} | 17/28 | <ul style="list-style-type: none"> • with arrangements for sitting |
| 17/017 | <ul style="list-style-type: none"> • • {Production or mounting thereof} | 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 |
| 17/018 | <ul style="list-style-type: none"> • • {Ice skateboards} | 19/005 | <ul style="list-style-type: none"> • {Boxing rings} |
| 17/02 | <ul style="list-style-type: none"> • with wheels arranged in two pairs {(A63C 17/01 takes precedence)} | 19/02 | <ul style="list-style-type: none"> • Shaping of the surface of courts according to the necessities of the different games {(surface construction E01C)} |
| 17/04 | <ul style="list-style-type: none"> • with wheels arranged otherwise than in two pairs {(A63C 17/01 takes precedence)} | 19/04 | <ul style="list-style-type: none"> • Mats or carpets for courts |
| 17/045 | <ul style="list-style-type: none"> • • {Roller skis} | 19/06 | <ul style="list-style-type: none"> • Apparatus for setting-out or dividing courts |
| 17/06 | <ul style="list-style-type: none"> • • single-track type | 19/062 | <ul style="list-style-type: none"> • • {Slalom gate poles, posts or marking sticks for sport fields} |
| 17/061 | <ul style="list-style-type: none"> • • • {with relative movement of sub-parts on the chassis} | 19/065 | <ul style="list-style-type: none"> • • {Line markings, e.g. tapes; Methods therefor} |
| 17/062 | <ul style="list-style-type: none"> • • • • {with a pivotal frame or cradle around transversal axis for relative movements of the wheels} | 2019/067 | <ul style="list-style-type: none"> • • • {Machines for marking} |
| 17/064 | <ul style="list-style-type: none"> • • • • {comprising steered wheels, i.e. wheels supported on a vertical axis} | 19/08 | <ul style="list-style-type: none"> • • Mechanical means for marking-out |
| 17/065 | <ul style="list-style-type: none"> • • • {with movements during use of the foot plate or shoe relative to the chassis, e.g. inline clap skate} | 2019/085 | <ul style="list-style-type: none"> • • • {Fences; Nets; Barriers} |
| 17/067 | <ul style="list-style-type: none"> • • • {with adjustable position of the foot plate or shoe relative to the chassis} | 19/10 | <ul style="list-style-type: none"> • 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) |
| 17/068 | <ul style="list-style-type: none"> • • • {Production or mounting thereof} | 19/12 | <ul style="list-style-type: none"> • Removable protective covers for courts, rinks, or game pitches or the like |
| 17/08 | <ul style="list-style-type: none"> • • • single-wheel type {with single axis} | | |
| 17/10 | <ul style="list-style-type: none"> • with endless tracks | | |
| 17/12 | <ul style="list-style-type: none"> • with driving mechanisms | | |
| 17/14 | <ul style="list-style-type: none"> • with brakes, e.g. toe stoppers, freewheel roller clutches | | |
| 17/1409 | <ul style="list-style-type: none"> • • {contacting one or more of the wheels} | 2201/00 | Use of skates, skis, roller-skates, snowboards and courts |
| 17/1418 | <ul style="list-style-type: none"> • • • {with radial movement against the roll surface of the wheel} | 2201/02 | <ul style="list-style-type: none"> • Aggressive riding, e.g. grinding |
| 17/1427 | <ul style="list-style-type: none"> • • • {the brake contacting other wheel associated surfaces, e.g. hubs, brake discs or wheel flanks} | 2201/04 | <ul style="list-style-type: none"> • Ski jumping |
| 17/1436 | <ul style="list-style-type: none"> • • {contacting the ground} | 2201/06 | <ul style="list-style-type: none"> • Telemark |
| 17/1445 | <ul style="list-style-type: none"> • • {contacting the ground and one or more of the wheels} | 2201/10 | <ul style="list-style-type: none"> • for handicapped people |
| 17/1454 | <ul style="list-style-type: none"> • • {Freewheel roller clutches} | 2201/12 | <ul style="list-style-type: none"> • Tandem riding |
| 2017/1463 | <ul style="list-style-type: none"> • • {Foot or toe operated} | Skates; Accessories for skating | |
| 2017/1472 | <ul style="list-style-type: none"> • • {Hand operated} | 2203/00 | Special features of skates, skis, roller-skates, snowboards and courts |
| | | 2203/02 | <ul style="list-style-type: none"> • enabling transverse riding, i.e. with one runner or skate per foot and direction transverse to the foot |
| | | 2203/06 | <ul style="list-style-type: none"> • 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