

SECTION A — HUMAN NECESSITIES

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) [5]

Subclass index

SKATES	
Ice skates.....	1/00, 3/00
Roller skates.....	17/00
SKIS, SNOW SHOES	
Snow skis.....	5/00-11/00
Snow shoes.....	13/00
PLAYING-COURTS, RINKS, BOWLING GREENS OR AREAS FOR WATER-SKIING, COVERS THEREFOR.....	19/00

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
 - 1/32 • • 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; Ski vehicles** (sledges with runners, e.g. ski-bobs, B62B 13/00)
- 5/02 • collapsible; divided
 - 5/025 • Short skis [4]
 - 5/03 • Mono-skis [4]
 - 5/035 • Skis with ground engaging rolls or belts [4]
 - 5/04 • Structure of the ski surface [4]
 - 5/044 • • of the running sole [4]
 - 5/048 • • of the edges [4]
 - 5/052 • • of the tips or rear ends [4]
 - 5/056 • • Materials for the running sole [4]
 - 5/06 • Special devices on parts of the skis, e.g. steering devices
 - 5/065 • • Anti-crossing devices [4]
 - 5/07 • • Means for adjusting stiffness of skis
 - 5/075 • • Vibration-dampers (vibration dampers per se F16F 7/00) [4]
 - 5/08 • Motor-driven skis (A63C 5/035 takes precedence) [4]
 - 5/11 • Skis combined with sails or the like [4]
 - 5/12 • Making of skis; Selection of particular materials (materials for the running sole A63C 5/056) [4]
 - 5/14 • • using synthetic materials; having a plurality of bonded layers [4]
 - 5/16 • Devices enabling skis to be used whilst held in a particular configuration with respect to each other, e.g. for training purposes [4]
- 7/00 Devices preventing skis from slipping back; Ski-stoppers or ski-brakes [4]**
- 7/02 • Skins; Substitutes for skins
 - 7/04 • Fastening-devices for skins
 - 7/06 • Tooth-shaped running sole-plates

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- 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
 - 7/12 • Clamp-irons preventing lateral slipping
- 9/00 Ski bindings**
- 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
 - 9/08 • yieldable or self-releasing in the event of an accident, i.e. safety bindings
 - 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
 - 9/085 • • with sole hold-downs, e.g. swingable
 - 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 [4]
 - 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)
- 11/00 Accessories for skis** (fittings on vehicles for carrying skis B60R 9/12)
- 11/02 • Devices for stretching, clamping or pressing skis for transportation or storage [4]
 - 11/04 • for treating skis
 - 11/06 • • Edge-sharpeners
 - 11/08 • • Apparatus for waxing or dewaxing (ski waxes C09G 3/00)
 - 11/10 • Apparatus for towing skis
 - 11/12 • Apparatus for hooking the heel part of the boot to the ski
 - 11/14 • Apparatus for repairing damaged skis
 - 11/16 • Special devices on boots for fastening skis thereto (A63C 9/00 takes precedence)
- 11/18 • Devices for removing snow from skis, ski-bindings or ski-boots
 - 11/20 • Snow-protectors on skis
 - 11/22 • Ski-sticks
 - 11/24 • • Rings for ski-sticks
 - 11/26 • Devices for use in mounting ski-bindings to skis, e.g. jigs [4]
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- 13/00 Snow shoes**
- 13/02 • Snow shoe rings
- 17/00 Roller skates; Skate-boards [4]**
- 17/01 • Skate-boards (A63C 17/02-A63C 17/28 take precedence) [4]
 - 17/02 • with wheels arranged in two pairs
 - 17/04 • with wheels arranged otherwise than in two pairs
 - 17/06 • • single-track type
 - 17/08 • • • single-wheel type
 - 17/10 • with endless tracks
 - 17/12 • with driving mechanisms
 - 17/14 • with brakes, e.g. toe stoppers, freewheel roller clutches
 - 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
 - 17/24 • • with ball-shaped or spherical running surfaces
 - 17/26 • with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices
 - 17/28 • with arrangements for sitting
- 19/00 Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor** (water roundabouts A63G 3/00; construction of surfaces or 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) [4]
- 19/02 • Shaping of the surface of courts according to the necessities of the different games
 - 19/04 • Mats or carpets for courts
 - 19/06 • Apparatus for setting-out or dividing courts
 - 19/08 • • Mechanical means for marking-out
 - 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) [4]
 - 19/12 • Removable protective covers for courts, rinks or games pitches or the like [4]