

A63 SPORTS; GAMES; AMUSEMENTS

A63B APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT

GYMNASTIC APPARATUS

Bars; Balance beams.....	1/00, 3/00; 4/00
Apparatus for jumping; stilts.....	5/00, 6/00; 25/00
Freely-suspended apparatus; climbing poles, frames, or stages	7/00; 9/00
Clubs	15/00
Other exercising apparatus	17/00 23/00, 26/00
Controls.....	24/00

APPARATUS FOR SPECIAL SPORTS

Climbing, mountaineering	27/00, 29/00
Swimming	31/00 35/00
Balls.....	37/00 47/00
Golf equipment.....	53/00 57/00
Other equipment for ball games.....	49/00, 51/00, 59/00, 61/00, 63/00
Implements for throwing.....	65/00
Training equipment	69/00

OTHER SPORTING GAMES; OTHER

ACCESSORIES.....	67/00; 71/00
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Gymnastic exercising apparatus (training apparatus for special sports A63B 69/00; apparatus for passive exercising, massage A61H) [3]

- 1/00 Horizontal bars**
 - 1/04 . Cleaning the rods
- 3/00 Parallel bars or similar apparatus**
- 4/00 Balance beams [5]**
- 5/00 Apparatus for jumping** (mats for jumping A63B 6/00; for racing or riding sports, e.g. hurdles, A63K) [5]
 - 5/02 . High-jumping posts
 - 5/04 . . Ropes therefor
 - 5/06 . Vaulting poles
 - 5/08 . Spring-boards (of trampoline type A63B 5/11) [5]
 - 5/10 . . for aquatic sports
 - 5/11 . Trampolines [5]
 - 5/12 . Bolster vaulting apparatus, e.g. horses, bucks, tables
 - 5/16 . Training devices for jumping; Devices for balloon-jumping; Jumping aids
 - 5/20 . Skipping-ropes
 - 5/22 . Foot obstacles for skipping
- 6/00 Mats or the like for absorbing shocks for jumping, gymnastics or the like [5]**
 - 6/02 . for landing, e.g. for pole vaulting [5]
- 7/00 Freely-suspended gymnastic apparatus**
 - 7/02 . Swinging rings; Trapezes
 - 7/04 . Climbing-ropes
 - 7/06 . Rotors with hanging ropes
 - 7/08 . Apparatus for rope-dancing
- 9/00 Climbing poles, frames, or stages**
- 15/00 Clubs**
 - 15/02 . with illuminating devices
- 17/00 Exercising apparatus combining several parts such as ladders, rods, beams, slides**
 - 17/02 . rigidly combined
 - 17/04 . separable

19/00 Hoop exercising apparatus

- 19/02 . Freely-movable rolling hoops, e.g. gyrowheels
- 19/04 . movably supported on a framework

21/00 Exercising apparatus for developing or strengthening the muscles or joints of the body by working against a counterforce, with or without measuring devices (electric or electronic controls therefor A63B 24/00; measuring muscular strength A61B 5/22)

- 21/002 . isometric or isokinetic, i.e. substantial force variation without substantial muscle motion [5]
- 21/005 . using electromagnetic or electric force-resisters [5]
- 21/008 . using hydraulic or pneumatic force-resisters [5]
- 21/012 . using frictional force-resisters [5]
- 21/015 . . including rotating or oscillating elements [5]
- 21/018 . . including a rope moving relative to the surface of elements [5]
- 21/02 . using resilient force-resisters [5]
- 21/04 . . attached to static foundation
- 21/045 . . having torsion element [5]
- 21/05 . . Linearly-compressed elements [5]
- 21/055 . . extension element type [5]
- 21/06 . User-manipulated weights [5]
- 21/062 . . including guide for vertical array of weights [5]
- 21/065 . . worn on user's body [5]
- 21/068 . . using user's body weight [5]
- 21/072 . . Dumb-bells, bar-bells or the like [5]
- 21/075 . . . with variable weights [5]
- 21/078 . . Devices for bench press exercises [5]
- 21/08 . . anchored at one end
- 21/16 . Supports for anchoring force-resisters
- 21/22 . Resisting devices with rotary bodies
- 21/28 . Devices for two persons operating in opposition

22/00 Exercising apparatus specially adapted for conditioning the cardio-vascular system, for training agility or co-ordination of movements (force-resisting aspects A63B 21/00; electric or electronic controls therefor A63B 24/00) [5]

- 22/02 . with movable endless bands [5]
- 22/04 . with movable steps [5]
- 22/06 . with rotating cycling movement (support stands for bicycles A63B 69/16; unicycles B62K 1/00) [5]
- 22/08 . . for the legs [5]

A63B

- 22/10 . . for the arms [5]
- 22/12 . . for legs and arms simultaneously [5]
- 22/14 . Platforms for reciprocating rotating motion about a vertical axis [5]
- 22/16 . Platforms for rocking motion about a horizontal axis; Balancing drums; Balancing boards or the like [5]
- 22/18 . with elements having a circulating or rotating movement, generated by oscillating movement of the user (hoop exercising apparatus A63B 19/00) [5]
- 22/20 . using rollers, wheels, castors or the like to be moved over the floor or other surface during exercising [5]
- 23/00 Exercising apparatus specially adapted for particular parts of the body** (A63B 22/00 takes precedence; force-resisting aspects A63B 21/00; electric or electronic controls therefor A63B 24/00; devices for exercising or strengthening of fingers or arms in teaching operation of keyboards G09B, e.g. G09B 15/06) [5]
 - 23/02 . for the abdomen, the spinal column, the torso, or the shoulders
 - 23/025 . for the head or neck [5]
 - 23/03 . . for face muscles [5]
 - 23/035 . for limbs, i.e. upper or lower limbs, e.g. simultaneously [5]
 - 23/04 . . for lower limbs [5]
 - 23/08 . . . for ankle-joints [5]
 - 23/10 . . . for feet or toes [5]
 - 23/12 . . for upper limbs [5]
 - 23/14 . . . for wrist-joints [5]
 - 23/16 . . . for hands or fingers [5]
 - 23/18 . for improving respiratory function [5]
 - 23/20 . for vaginal muscles [5]
- 24/00 Electric or electronic controls for exercising apparatus of groups A63B 1/00 A63B 23/00 [5]**
- 25/00 Stilts or the like**
 - 25/02 . Elastic stilts
 - 25/04 . with wheels
 - 25/06 . Shoes formed with stilts to elongate the step
 - 25/08 . Hopping-sticks, e.g. pogo sticks
 - 25/10 . Elastic bouncing shoes fastened to the foot
- 26/00 Exercising apparatus not covered by groups A63B 1/00 A63B 25/00 [5]**

Climbing; Mountaineering

- 27/00 Apparatus for climbing poles, trees, or the like** (safety belts for climbers A62B 35/00)
 - 27/02 . Climbing devices for round poles attachable to the feet
 - 27/04 . Climbing devices for profile poles attachable to the feet
- 29/00 Apparatus for mountaineering** (helmets A42B 3/00; non-skid devices or attachments for footwear, e.g. mountain climbing irons, A43C 15/00; breathing masks or helmets for use at high altitudes A62B 18/00; picks B25D 7/00) [3]
 - 29/02 . Mountain guy-ropes or accessories, e.g. avalanche ropes; Means for indicating the location of accidentally buried, e.g. snow-buried, persons (detecting hidden masses G01V)
 - 29/04 . Steps for climbing (for permanent fixing E06C 9/04)
 - 29/08 . Hand equipment for climbers

Swimming

- 31/00 Swimming aids** (teaching swimming A63B 69/10 A63B 69/14; life-saving in water B63C 9/00)
 - 31/02 . Swimming gloves
 - 31/04 . . with arrangements for enlarging the propulsive surface
 - 31/08 . Swim fins, flippers or other swimming aids held by, or attachable to, the hands, arms, feet or legs (A63B 31/18 takes precedence; worn as gloves A63B 31/02) [3]
 - 31/10 . . held by, or attachable to, the hands or feet [3]
 - 31/11 . . . attachable only to the feet [3]
 - 31/12 . . held by, or attachable to, the arms or legs [3]
 - 31/14 . . with valve-flaps
 - 31/16 . . with arrangements for varying the size of the swimming surface
 - 31/18 . Swimming appliances with propulsive effect for hands and feet simultaneously
- 33/00 Swimming equipment attachable to the head, e.g. swimming helmets, swimming goggles** (breathing aids, e.g. snorkels, B63C 11/12)
- 35/00 Swimming framework with driving mechanisms operated by the swimmer or by a motor** (other vessels or like floating structures for pleasure or sport B63B 35/71, B63B 35/73; divers' sleds or like craft B63C 11/46)
 - 35/02 . shaped like a fish tail
 - 35/04 . with paddle wheels
 - 35/06 . with twin-bladed paddles or buoyant members
 - 35/08 . with propeller propulsion
 - 35/10 . . operated by the swimmer
 - 35/12 . . operated by a motor

Balls

- 37/00 Solid balls; Marbles** (heavy throwing-balls A63B 65/06)
 - 37/02 . Special cores
 - 37/04 . . Rigid cores
 - 37/06 . . Elastic cores
 - 37/08 . . Liquid cores; Plastic cores
 - 37/10 . . with eccentric centre of gravity
 - 37/12 . Special coverings
 - 37/14 . Special surfaces
- 39/00 Hollow non-inflatable balls**
 - 39/02 . Arrangements for maintaining the pressure
 - 39/04 . . Pricking balls
 - 39/06 . Special coverings
 - 39/08 . . made of two halves
- 41/00 Hollow inflatable balls** (connecting valves to inflatable elastic bodies B60C 29/00; valves, e.g. self-closing valves, F16K)
 - 41/02 . Bladders
 - 41/04 . . Closures therefor
 - 41/08 . Ball covers; Closures therefor
 - 41/10 . Bladder and cover united
 - 41/12 . Tools or devices for blowing up or closing balls (air pumps F04)
- 43/00 Balls with special arrangements**
 - 43/02 . with a handle

- 43/04 . with an eccentric centre of gravity; with mechanism for changing the centre of gravity (solid balls A63B 37/10)
- 43/06 . with illuminating devices
- 45/00 Apparatus or methods for manufacturing balls** (working of plastics or substances in a plastic state B29)
- 45/02 . Marking of balls
- 47/00 Devices for handling or treating balls**
- 47/02 . for picking-up
- 47/04 . for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys A63D 5/10)

Rackets, bats, or other accessories for ball games

- 49/00 Tennis, badminton, or like rackets**
- 49/02 . Frames
- 49/04 . . with balancing devices
- 49/06 . . with slits
- 49/08 . . with special construction of the handle
- 49/10 . . made of non-metallic materials, other than wood
- 49/12 . . made of metal
- 49/14 . . Protection devices on the frame
- 49/16 . Presses
- 49/18 . Covers
- 51/00 Stringing tennis rackets**
- 51/02 . Strings; String substitutes
- 51/04 . . Sheet-like structures used as substitutes
- 51/06 . Double-sided stringings
- 51/08 . Diagonal stringings
- 51/10 . Reinforcements for stringings
- 51/12 . Devices arranged in or on the racket for adjusting the tension of the strings
- 51/14 . Devices for stringing
- 51/16 . . Machines or apparatus for stringing while manufacturing
- 53/00 Golf clubs**
- 53/02 . Joint structures between the head and the shaft
- 53/04 . Heads
- 53/06 . . adjustable
- 53/08 . with special arrangements for obtaining a variable impact
- 53/10 . Non-metallic shafts
- 53/12 . Metallic shafts
- 53/14 . Handles
- 53/16 . . adjustable
- 55/00 Bags for golf clubs; Stands for golf clubs for use on the course**
- 55/02 . with special receptacles for the balls
- 55/04 . Supports with devices for anchoring to the ground
- 55/06 . . Bags with tripod or like set-up stands
- 55/08 . Wheeled carriers for golf bags (running gear or propulsion features B60)
- 55/10 . Stands for golf clubs for use on the course
- 57/00 Golf game accessories, e.g. golf cups, golf tees**
- 59/00 Bats, rackets, or the like, for other games** (bats with a ball tethered thereto A63B 67/20)
- 59/02 . for lacrosse, pelota, or similar games
- 59/04 . for table tennis
- 59/06 . for baseball, rounders, or similar games
- 59/08 . for cricket
- 59/10 . for croquet

- 59/12 . for hockey
- 59/14 . for ice hockey
- 59/16 . for polo
- 59/18 . Circular bats for other games
- 61/00 Tennis nets or accessories for tennis or like games**
- 61/02 . Posts; Revolvably-mounted posts
- 61/04 . Straining or adjusting devices for nets
- 63/00 Targets or goals for ball games** (golf cups A63B 57/00)
- 63/02 . rigidly mounted (A63B 63/08 takes precedence) [3]
- 63/04 . adjustably or pivotally mounted (A63B 63/08 takes precedence) [3]
- 63/06 . Revolving targets
- 63/08 . with horizontal opening for ball, e.g. for basketball [3]

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- 65/00 Implements for throwing** (throwing toys A63H 33/18; throwing weapons F41B)
 - 65/02 . Darts, spears or the like
 - 65/04 . Throwing-hammers
 - 65/06 . Heavy throwing-balls
 - 65/08 . Boomerangs
 - 65/10 . Discus discs; Quoits
 - 65/12 . Ball-throwing apparatus with or without catchers
 - 67/00 Sporting games not provided for in groups A63B 1/00 A63B 65/00**
 - 67/02 . Special golf games, e.g. miniature golf
 - 67/04 . Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis (other table games A63F)
 - 67/06 . Ring or disc tossing games
 - 67/08 . Juggling or spinning ball games played as games of skill
 - 67/10 . Games with thread-suspended or swingably- mounted bodies, e.g. balls, pointed bodies shaped as birds, animals, or the like, for aiming at and hitting targets (games using a bat with a ball tethered thereto A63B 67/20; pin games with tethered balls A63D 7/00)
 - 67/12 . Flip games
 - 67/14 . Curling stone; Shuffleboard; Similar sliding games
 - 67/16 . Tethered aerial top or spinner games
 - 67/18 . Badminton, shuttlecock, or like games with feathered missiles
 - 67/20 . Games using a bat with a ball tethered thereto [3]
 - 67/22 . . the bat having one or more holes therein [3]
 - 69/00 Training appliances or apparatus for special sports** (training of parachutists B64D 23/00)
 - 69/02 . for fencing
 - 69/04 . simulating the movement of horses (toy animals for riding A63G 19/00)
 - 69/06 . for rowing or sculling
 - 69/08 . . with water-filled pools
 - 69/10 . Swimming instruction apparatus for use without water
 - 69/12 . Arrangements in swimming pools for teaching swimming
 - 69/14 . . Teaching frames for swimming
 - 69/16 . for cycling
 - 69/18 . for skiing
 - 69/20 . Punching balls
 - 69/22 . . mounted on, or suspended from, a fixed support

A63B

- 69/24 . . . mounted on, or suspended from, a movable support
- 69/26 attached to the human body
- 69/28 . . . Attachments located on the balls at opposite points
- 69/30 Resilient attachments
- 69/32 . . . with indicating devices
- 69/34 . Boxing or football dummies
- 69/36 . for golf
- 69/38 . for tennis
- 69/40 . Stationarily-arranged devices for projecting balls (sling weapons F41B 3/00; traps for clay-pigeon targets F41J 9/18)
- 71/00 Games or sports accessories not covered in groups A63B 1/00 A63B 69/00 (starting appliances A63K 3/02)**
- 71/02 . for large-room or outdoor sporting games
- 71/04 . for small-room or indoor sporting games
- 71/06 . Indicating or scoring devices for games or players (timing devices G07C)
- 71/08 . Body-protectors for players or sportsmen (protective clothing or garments for sporting purposes A41D 13/00)
- 71/10 . . . for the head (in the form of caps or hats A42B 1/08; helmets A42B 3/00)
- 71/12 . . . for the body or the legs
- 71/14 . . . for the hands, e.g. baseball, boxing, or golfing gloves (archer's finger tabs F41B 5/16)
- 71/16 air-filled (connection of valves to inflatable elastic bodies B60C 29/00)