

## SECTION A — HUMAN NECESSITIES

### A63 SPORTS; GAMES; AMUSEMENTS

#### A63B APPARATUS FOR PHYSICAL TRAINING, GYMNASTICS, SWIMMING, CLIMBING, OR FENCING; BALL GAMES; TRAINING EQUIPMENT (apparatus for passive exercising, massage A61H)

##### Subclass index

##### 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

##### Gymnastic exercising apparatus [3]

##### **1/00 Horizontal bars for gymnastics**

- 1/04 • Cleaning the rods

##### **3/00 Parallel bars or similar gymnastic 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 for gymnastics or the like**

- 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)**

- 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]

## A63B

- 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]
  - 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. crampons, 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
  - 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**
- 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
- 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
- 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]
- 65/00 Implements for throwing** (throwing toys A63H 33/18)
- 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

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- 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
- 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 (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
- 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