

## 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

## A63B

- 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

## A63C SKATES; SKIS; ROLLER SKATES; DESIGN OR LAYOUT OF COURTS, RINKS OR THE LIKE (water skis B63B 35/81) [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

#### 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
- 3/14 • Keys for skates

### Skis or snowboards; Accessories therefor

- 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)
- 5/02 • collapsible; divided

- 5/025 • Short skis [4]
- 5/03 • Mono skis; Snowboards [4]
- 5/035 • with ground engaging rolls or belts [4]
- 5/04 • Structure of the surface thereof [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 • with special devices thereon, e.g. steering devices
- 5/065 • • Anti-crossing devices [4]
- 5/07 • • comprising means for adjusting stiffness
- 5/075 • • Vibration-dampers [4]
- 5/08 • motor-driven (A63C 5/035 takes precedence) [4]
- 5/11 • combined with sails or the like [4]
- 5/12 • Making thereof; 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
- 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 • Ski crampons preventing lateral slipping
  
- 9/00 Ski bindings [1, 2012.01]**
- 9/02 • Non-self-releasing bindings with swivel sole-plate or swivel parts, i.e. Ellefsen-type [1, 2012.01]
- 9/04 • Non-self-releasing long strap bindings [1, 2012.01]
- 9/06 • Non-self-releasing heel-engaging cable bindings fastened to the front end of the ski [1, 2012.01]
- 9/08 • yieldable or self-releasing in the event of an accident, i.e. safety bindings [1, 2012.01]
- 9/081 • • with swivel sole-plate [1, 2012.01]
- 9/082 • • with swivel heel-plate [1, 2012.01]
- 9/083 • • with loosenable cable strap [1, 2012.01]
- 9/084 • • with heel hold-downs, e.g. swingable [1, 2012.01]
- 9/085 • • with sole hold-downs, e.g. swingable [1, 2012.01]
- 9/086 • • using parts which are fixed on the shoe of the user and are releasable from the ski binding [1, 2012.01]
- 9/088 • • with electronically controlled locking devices [4, 2012.01]
- 9/10 • Non-self-releasing toe jaw-irons; Non-self-releasing binding hooks made of one piece [1, 2012.01]
- 9/12 • Non-self-releasing elastic heel-straps [1, 2012.01]
- 9/14 • Non-self-releasing bindings without heel-straps, but with both guiding cheeks and toe-straps [1, 2012.01]
- 9/16 • Non-self-releasing bindings without straps, but with guiding cheeks [1, 2012.01]
- 9/18 • Non-self-releasing bindings without heel-straps, but with a clamping device arranged at the front end of, or behind, the binding [1, 2012.01]
- 9/20 • Non-self-releasing bindings with special sole edge holders instead of toe-straps [1, 2012.01]
  
- 9/22 • Arrangements for adjusting the toe-clamps [1, 2012.01]
- 9/24 • Tighteners for ski bindings (tighteners for self-releasing ski bindings A63C 9/08) [1, 2012.01]
  
- 10/00 Snowboard bindings [2012.01]**
- 10/02 • characterised by details of the shoe holders [2012.01]
- 10/04 • • Shoe holders for passing over the shoe [2012.01]
- 10/06 • • • Straps therefor, e.g. adjustable straps [2012.01]
- 10/08 • • Toe or heel stirrups; Clamps [2012.01]
- 10/10 • • using parts which are fixed on the shoe, e.g. means to facilitate step-in [2012.01]
- 10/12 • Yieldable or self-releasing in the event of an accident, i.e. safety bindings [2012.01]
- 10/14 • Interfaces, e.g. in the shape of a plate [2012.01]
- 10/16 • Systems for adjusting the direction or position of the bindings [2012.01]
- 10/18 • • about a vertical rotation axis relative to the board [2012.01]
- 10/20 • • in longitudinal or lateral direction relative to the board [2012.01]
- 10/22 • • to fit the size of the shoe (A63C 10/06 takes precedence) [2012.01]
- 10/24 • Calf or heel supports, e.g. adjustable high back or heel loops [2012.01]
- 10/26 • Shock or vibration dampers [2012.01]
- 10/28 • characterised by auxiliary devices or arrangements on the bindings [2012.01]
  
- 11/00 Accessories for skiing or snowboarding (fittings on vehicles for carrying skis B60R 9/12)**
- 11/02 • Devices for stretching, clamping or pressing skis or snowboards for transportation or storage [4]
- 11/04 • for treating skis or snowboards
- 11/06 • • Edge-sharpeners
- 11/08 • • Apparatus for waxing or dewaxing
- 11/10 • Apparatus for towing (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
- 11/24 • • Rings for ski-sticks
- 11/26 • Devices for use in mounting bindings, 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

## A63C

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| <ul style="list-style-type: none"> <li>17/18 • convertible into ice or snow-running skates</li> <li>17/20 • with fixable wheels permitting the skates to be used for walking</li> <li>17/22 • Wheels for roller skates</li> <li>17/24 • • with ball-shaped or spherical running surfaces</li> <li>17/26 • with special auxiliary arrangements, e.g. illuminating, marking, or push-off devices</li> <li>17/28 • with arrangements for sitting</li> </ul> | <ul style="list-style-type: none"> <li>19/02 • Shaping of the surface of courts according to the necessities of the different games</li> <li>19/04 • Mats or carpets for courts</li> <li>19/06 • Apparatus for setting-out or dividing courts</li> <li>19/08 • • Mechanical means for marking-out</li> <li>19/10 • Ice-skating or roller-skating rinks; Slopes or trails for skiing, ski-jumping or tobogganing [4]</li> <li>19/12 • Removable protective covers for courts, rinks or games pitches or the like [4]</li> </ul> |
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- 19/00 Design or layout of playing courts, rinks, bowling greens or areas for water-skiing; Covers therefor [4]**

## A63D BOWLING GAMES, e.g. SKITTLES, BOCCE OR BOWLS; INSTALLATIONS THEREFOR; BAGATELLE OR SIMILAR GAMES; BILLIARDS (balls A63B 37/00)

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| <p><b>1/00 Installations for bowling games, e.g. bowling-alleys or bocce courts</b> (bowling greens A63C 19/00)</p> <ul style="list-style-type: none"> <li>1/02 • collapsible; portable</li> <li>1/04 • Form or material of the surface; Pin-stands integral with the surface</li> <li>1/06 • Adjusting apparatus; Stands for players</li> <li>1/08 • Tracks for returning or circulating the balls</li> </ul> <p><b>3/00 Table bowling games; Miniature bowling-alleys; Bowling games</b> (games of pins A63D 7/00)</p> <ul style="list-style-type: none"> <li>3/02 • Arrangement of devices for propelling or projecting the balls</li> </ul> <p><b>5/00 Accessories for bowling-alleys or table alleys</b></p> <ul style="list-style-type: none"> <li>5/02 • Apparatus for trapping or lifting the balls; Separate devices for returning the balls</li> <li>5/04 • Indicating devices</li> <li>5/06 • Pin stands</li> <li>5/08 • Arrangements for setting-up or taking away pins</li> <li>5/09 • • the pins being assembled in right order before setting down</li> </ul> | <ul style="list-style-type: none"> <li>5/10 • Apparatus for cleaning balls, pins, or alleys</li> </ul> <p><b>7/00 Games of pins, e.g. ninepins with tethered balls</b></p> <p><b>9/00 Pins</b></p> <p><b>13/00 Bagatelle or similar games</b></p> <p><b>15/00 Billiards, e.g. carom billiards or pocket billiards; Billiard tables</b> (bagatelle A63D 13/00)</p> <ul style="list-style-type: none"> <li>15/02 • Billiard tables adapted to rest on ordinary tables or the like</li> <li>15/04 • Billiard tables convertible into other tables, or the like (into beds A47C 17/62)</li> <li>15/06 • Cushions or fastenings therefor</li> <li>15/08 • Cues</li> <li>15/10 • • Apparatus for holding or handing-up cues</li> <li>15/12 • • Tip fastenings</li> <li>15/14 • • Means for roughening the cue-tips</li> <li>15/16 • Chalk holders</li> <li>15/20 • Scoring or registering devices</li> </ul> |
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## A63F CARD, BOARD, OR ROULETTE GAMES; INDOOR GAMES USING SMALL MOVING PLAYING BODIES; GAMES NOT OTHERWISE PROVIDED FOR (data-processing equipment characterised by a specific application for game playing G06F 17/00, G06F 19/00) [5]

- |   |   |
|---|---|
| <p><b>1/00 Card games</b> (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1, 7]</p> <ul style="list-style-type: none"> <li>1/02 • Cards; Special shapes of cards (card-printing methods B41K, B41M)</li> <li>1/04 • Card games combined with other games</li> <li>1/06 • Card game appurtenances</li> <li>1/08 • • Card-presses</li> <li>1/10 • • Card-holders</li> <li>1/12 • • Card-shufflers</li> <li>1/14 • • Card-dealers</li> <li>1/16 • • Apparatus for indicating the dealer</li> <li>1/18 • • Scoring or registering devices; Indicators (A63F 1/16 takes precedence; time-testing devices G07C)</li> </ul> <p><b>3/00 Board games; Raffle games</b> (racing games, traffic games, or obstacle games characterised by figures moved by action of the players A63F 9/14; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1, 7]</p> | <ul style="list-style-type: none"> <li>3/02 • Chess; Similar board games</li> <li>3/04 • Geographical or like games</li> <li>3/06 • Lottos or bingo games; Systems, apparatus or devices for checking such games [5]</li> <li>3/08 • Raffle games that can be played by a fairly large number of people</li> </ul> <p><b>5/00 Roulette games</b> (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1, 7]</p> <ul style="list-style-type: none"> <li>5/02 • Roulette-like ball games</li> <li>5/04 • Disc roulettes; Dial roulettes; Teetotums; Dice-tops</li> </ul> <p><b>7/00 Indoor games using small moving playing bodies, e.g. balls, discs or blocks</b> (board games, raffle games A63F 3/00; roulette games A63F 5/00; aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00; miniature bowling games A63D 3/00; bagatelle or similar games A63D 13/00; billiards, pocket billiards A63D 15/00) [1, 7]</p> |
|---|---|

- 7/02 • using falling playing bodies or playing bodies running on an inclined surface, e.g. pinball games
- 7/04 • using balls to be shaken or rolled in small boxes
- 7/06 • Games simulating outdoor ball games, e.g. hockey (if physically beneficial for the human body A63B 67/00)
- 7/07 • • in which the playing bodies contact, or are supported by, the playing surface continuously, e.g. using air-cushion support [3]
- 7/20 • • in which the playing bodies are projected through the air [3]
- 7/22 • Accessories; Details [3]
- 7/24 • • Devices controlled by the player to project or roll-off the playing bodies (arrangement of such devices in table alleys, miniature bowling-alleys or bowling games A63D 3/02; in bagatelle or billiards A63D 13/00, A63D 15/00) [3]
- 7/26 • • • electric or magnetic [3]
- 7/28 • • • using gravity [3]
- 7/30 • • Obstacles; Targets; Scoring or pocketing devices; Playing-body-actuated sensors, e.g. switches; Tilt indicators [3]
- 7/32 • • • Apparatus for varying scoring values [3]
- 7/34 • • Other devices for handling the playing bodies, e.g. bonus ball return means [3]
- 7/36 • • Constructional details not covered by groups A63F 7/24-A63F 7/34, e.g. frames, game boards, guide tracks [3]
- 7/38 • • • Playing surfaces movable during play [3]
- 7/40 • • • Balls or other moving playing bodies, e.g. pinballs, discs [3]
- 9/00 Games not otherwise provided for** (aspects of games using an electronically generated display having two or more dimensions showing representations related to the game A63F 13/00) [1, 7]
- 9/02 • Shooting or hurling games (throwing-implements for sports or recreational use A63B 65/00; throwing or projecting toys per se A63H 33/18; targets, target ranges, bullet catchers F41J) [3]
- 9/04 • Dice (dice-tops A63F 5/04); Dice-boxes; Mechanical dice-throwing devices
- 9/06 • Patience; Other games for self-amusement (balls to be shaken in small boxes A63F 7/04)
- 9/08 • • Puzzles provided with elements movable in relation to each other
- 9/10 • • Two-dimensional jig-saw puzzles
- 9/12 • • Three-dimensional jig-saw puzzles
- 9/14 • Racing games, traffic games, or obstacle games characterised by figures moved by action of the players (games using dice A63F 3/00)
- 9/16 • Spinning-top games
- 9/18 • Question-and-answer games
- 9/20 • Dominoes or like games; Mah-Jongg games
- 9/24 • Games using electronic circuits not otherwise provided for [5]
- 9/26 • Balancing games, i.e. bringing elements into or out of balance [7]
- 9/28 • Chain-reaction games with toppling pieces; Dispensers or positioning devices therefor [7]
- 9/30 • Capturing games for grabbing or trapping objects, e.g. fishing games [7]
- 9/32 • Games with a collection of long sticks, e.g. mikado® (A63F 9/30 takes precedence) [7]
- 9/34 • Games using magnetically moved or magnetically held pieces, not provided for in other subgroups of group A63F 9/00 [7]
- 11/00 Game accessories of general use [7]**
- Note(s)**
- Game accessories specially adapted for a particular type of game are classified in one of the groups A63F 1/00-A63F 9/00 covering the particular game.
- 13/00 Aspects of games using an electronically generated display having two or more dimensions, e.g. on a television screen, showing representations related to the game** (electric circuitry, see the relevant subclasses therefor) [7]
- 13/02 • Accessories (input or output arrangements for electrical digital computers G06F 3/00) [7]
- 13/04 • • for aiming at specific areas on the display, e.g. with photodetecting means [7]
- 13/06 • • using player-operated means for controlling the position of a specific area on the display [7]
- 13/08 • Constructional details or arrangements, e.g. housing, wiring, connections, cabinets, not otherwise provided for [7]
- 13/10 • Control of the course of the game, e.g. start, progress, end [7]
- 13/12 • involving interaction between a plurality of game devices, e.g. transmission or distribution systems [7]
- A63G MERRY-GO-ROUNDS; SWINGS; ROCKING-HORSES** (swings or rocking horses as nursery furniture A47D 13/10); **CHUTES; SWITCHBACKS; SIMILAR DEVICES FOR PUBLIC AMUSEMENT**

#### Subclass index

ROUNDAABOUTS.....	1/00-7/00
SWINGS, SEE-SAWS, GREAT WHEELS.....	9/00, 11/00, 13/00, 27/00
ROCKING HORSES, OTHER TOY ANIMALS FOR RIDING.....	13/00-19/00
CHUTES, SLIDES, SIMILAR APPARATUS.....	21/00, 23/00, 25/00, 29/00
OTHER APPARATUS FOR PUBLIC AMUSEMENT.....	31/00, 33/00

#### Merry-go-rounds or roundabouts

##### 1/00 Roundabouts

- 1/02 • with masking tunnels
- 1/04 • with toboggans

- 1/06 • with several concentric turntables
- 1/08 • power-driven
- 1/10 • • electrically driven
- 1/12 • rotated by the passengers themselves

## A63G

- 1/14 • • rotated by pushing the feet against a fixed surface or by running
- 1/16 • • rotated by means of grip-rings
- 1/18 • • rotated by oars
- 1/20 • • rotated by swinging or rocking
- 1/22 • with bicycles serving as seats
- 1/24 • with seats performing movements in a horizontal plane, other than circular movements
- 1/26 • • with seats moving with a planetary motion in a horizontal plane
- 1/28 • with centrifugally-swingable suspended seats
- 1/30 • with seats moving up-and-down, e.g. figure-seats
- 1/32 • with seats two or more of which form a see-saw
- 1/34 • with seats moving in an undulating track
- 1/36 • with movably-mounted swing-like seats not moving radially outwards
- 1/38 • with rocking turntables
- 1/40 • • and oblique masts
- 1/42 • • cone-like shaped
- 1/44 • with turntables moved up and down
- 1/46 • • moved by a screw spindle
- 1/48 • with turntables and movably-mounted vehicles thereon which move to the outside when the roundabout is rotated

### 3/00 Water roundabouts, e.g. freely floating

- 3/02 • with floating seats
- 3/04 • for swimmers
- 3/06 • Submarine roundabouts

### 4/00 Accessories for roundabouts not restricted to one of groups A63G 1/00 or A63G 3/00

### 5/00 Games on roundabouts

### 7/00 Up-and-down-hill tracks; Switchbacks

## Swings; See-saws; Rocking horses; Other toy animals for riding [3]

### 9/00 Swings

- 9/02 • with two suspensory axles
- 9/04 • with moving supporting-points
- 9/06 • Climbing swings
- 9/08 • Looping-the loop swings
- 9/10 • with seats shaped as riding horses, breeches, or the like
- 9/12 • Special fastenings of the suspensory point
- 9/14 • elastically suspended
- 9/16 • Driving mechanisms, such as ropes, gear, belt, motor drive
- 9/18 • • moved by rocking runners
- 9/20 • • Oar swings
- 9/22 • Brakes

### 11/00 See-saws

### 13/00 Cradle swings; Rocking-horses; Like devices resting on the ground

- 13/02 • Cradle swings
- 13/04 • • Spring-supported cradle swings
- 13/06 • Rocking-horses
- 13/08 • • mounted on links or springs
- 13/10 • • with dismountable runners usable for other purposes

### 15/00 Rocking horses on runners adapted for progressive movement

- 15/02 • with divided runners
- 15/04 • with arrangements for pushing forward

### 17/00 Hobby-horses

### 19/00 Toy animals for riding

- 19/02 • made to travel by riding movements other than by ratchet wheels
- 19/04 • with eccentric wheels
- 19/06 • Swingably-mounted toy animals for riding made to travel by means of parallelogram-joints
- 19/08 • made to travel by ratchet-wheels, e.g. by stretching the legs
- 19/10 • • by pressing the seats or saddles up-and-down
- 19/12 • • by performing oscillations
- 19/14 • • by moving the stirrups or pedals
- 19/16 • made to travel by punting
- 19/18 • made to travel by pacing
- 19/20 • motor-driven

## Chutes; Slides; Similar apparatus for public amusement

### 21/00 Chutes; Helter-skelters

- 21/02 • without rails
- 21/04 • with fixed rails
- 21/06 • with passing arrangements for cars
- 21/08 • with additional rotation of cars
- 21/10 • with spiral tracks
- 21/12 • with special cars, e.g. horse-shaped
- 21/14 • with driven slideways
- 21/16 • with forced removal of the passenger from the seat
- 21/18 • Water-chutes
- 21/20 • Slideways with movably suspended cars, or with cars moving on ropes, or the like
- 21/22 • Suspended slideways

### 23/00 Rotating or rocking pots

### 25/00 Autocar-like self-drivers; Runways therefor

### 27/00 Russian swings; Great wheels, e.g. Ferris wheels

- 27/02 • with special movements of the seat-carriers
- 27/04 • with tiltable axis
- 27/06 • rolling on the level
- 27/08 • mounted on roundabouts

### 29/00 Rolling drums turning somersaults with or without rolling seats

- 29/02 • with seats staying at the bottom of the drum

## Other apparatus for public amusement

### 31/00 Amusement arrangements

- 31/02 • with moving substructures
- 31/04 • • with jolting substructures
- 31/06 • • with undulatory motion of the substructure
- 31/08 • • with looping, hopping, or throwing motions of the substructure
- 31/10 • • with escalators or similar moving substructures
- 31/12 • • with inflatable and movable substructures (connection of valves to inflatable elastic bodies B60C 29/00)



- 31/14 • • with planes mounted on springs; with movable planes
- 31/16 • creating illusions of travel

**33/00 Devices allowing competitions between several persons, not otherwise provided for**

**A63H TOYS, e.g. TOPS, DOLLS, HOOPS, BUILDING BLOCKS**

**Subclass index**

MECHANICALLY OR GRAVITY DRIVEN TOY FIGURES.....	11/00, 13/00, 15/00
TOY VEHICLES	
Model railways, toy trains.....	19/00, 21/00
Other toy vehicles; tracks therefor; toy engines.....	17/00, 23/00, 27/00, 18/00, 25/00
TOPS; DOLLS, TOY ANIMALS.....	1/00, 3/00
OTHER TOYS.....	5/00, 7/00, 33/00
MANUFACTURE OF DOLLS OR TOY FIGURES.....	9/00
DRIVING MECHANISM; CONTROLLING; GEARING.....	29/00, 30/00, 31/00
JOKES, CONFETTI.....	37/00

- 1/00 Tops** (flying tops A63H 27/127)
- 1/02 • with detachable winding devices
  - 1/04 • • with string or band winding devices
  - 1/06 • with integral winding devices
  - 1/08 • with arrangements for winding-up by blowing
  - 1/10 • able to be spun by whirling the axis with both hands
  - 1/12 • Whip tops; Top whips
  - 1/16 • Hopping, dancing, or curve-drawing tops
  - 1/18 • Double tops; Multiple tops mounted in or on one another
  - 1/20 • with figure-like features; with movable objects, especially figures
  - 1/22 • Colour tops
  - 1/24 • with illuminating arrangements
  - 1/26 • emitting blasts or explosions
  - 1/28 • Musical tops
  - 1/30 • Climbing tops, e.g. Yo-Yo
  - 1/32 • Whirling or spinning discs driven by twisted cords

### **Dolls; Figures; Musical toys**

#### **3/00 Dolls**

##### **Note(s)**

In this group, the following term is used with the meaning indicated:

- "doll" includes a toy animal.

- 3/02 • made of fabrics or stuffed
- 3/04 • with deformable framework
- 3/06 • Air-filled or inflatable toy figures
- 3/08 • of flat paper to be cut-out, folded, or clothed
- 3/10 • Flat toy figures provided with limbs, with or without arrangements for making them stand up (A63H 3/08 takes precedence) [4]
- 3/12 • Double-faced dolls
- 3/14 • into which the fingers of the hand can be inserted, e.g. hand-puppets
- 3/16 • made of parts that can be put together
- 3/18 • Jumping jacks
- 3/20 • with parts moved due to movements of other parts, e.g. limbs
- 3/24 • Drinking dolls; Dolls producing tears; Wetting dolls
- 3/26 • Floating dolls
- 3/28 • Arrangements of sound-producing means in dolls; Means in dolls for producing sounds
- 3/31 • • Bellows, cylinders or the like for sound production
- 3/33 • • Other sound-producing means specially adapted for dolls
- 3/36 • Details; Accessories
- 3/38 • • Dolls' eyes
- 3/40 • • • movable
- 3/42 • • • Manufacture of eyes
- 3/44 • • Dolls' hair or wigs; Eyelashes; Eyebrows
- 3/46 • • Connections for limbs
- 3/48 • • Mounting of parts within dolls, e.g. automatic eyes
- 3/50 • • Frames, stands, or wheels for dolls or toy animals
- 3/52 • • Dolls' houses, furniture, or other equipment; Dolls' clothing (dolls' footwear A43B 3/28)

- 5/00 Musical or noise-producing devices for additional toy effects other than acoustical** (musical tops A63H 1/28; hand-thrown impact-exploded noise makers F42B 4/16)

- 5/04 • Pistols or machine guns operated without detonators; Crackers (firecrackers F42B 4/04)

#### **7/00 Toy figures led or propelled by the user**

- 7/02 • by pushing or drawing
- 7/04 • • moving together with a toy vehicle
- 7/06 • • with feet formed by rotary members

#### **9/00 Special methods or compositions for the manufacture of dolls, toy animals, toy figures, or parts thereof**

### **Mechanically or gravity driven toy figures**

#### **11/00 Self-movable toy figures**

- 11/02 • moved by vibrations produced by rotating eccentric weights
- 11/04 • Climbing figures moving up-and-down
- 11/06 • Jumping toys
- 11/08 • Toys performing somersaults
- 11/10 • Figure toys with single- or multiple-axle undercarriages, by which the figures perform a realistic running motion when the toy is moving over the floor
- 11/12 • • Wheeled toys with figures performing a wriggling motion when moving
- 11/14 • Mechanically-moved walking figures balanced by gyrostatic effects
- 11/18 • Figure toys which perform a realistic walking motion [4]
- 11/20 • • with pairs of legs, e.g. horses [4]

#### **13/00 Toy figures with self-moving parts, with or without movement of the toy as a whole**

- 13/02 • imitating natural actions, e.g. catching a mouse by a cat, the kicking of an animal
- 13/03 • • Egg-laying toy animals [4]
- 13/04 • • Mechanical figures imitating the movement of players or workers
- 13/06 • • • imitating boxing or fighting
- 13/08 • • • able to perform military exercises
- 13/10 • • • shooting arrows or other missiles
- 13/12 • • • Gymnastic or acrobatic toy figures
- 13/14 • • • Rope-jumping toy figures
- 13/15 • • • imitating drawing or writing [4]
- 13/16 • Boxes from which figures jump
- 13/18 • Toy swinging chairs; Rocking-figure toys
- 13/20 • Toy roundabouts with moving figures; Toy models of fairs or the like, with moving figures

#### **15/00 Other gravity-operated toy figures**

- 15/02 • Figures staggering down an inclined path by means of the gravity effect
- 15/04 • Toy figures swinging about a point above the centre of gravity
- 15/06 • Self-righting toys
- 15/08 • Tumbling toy figures operated by balls enclosed therein

### **Toy vehicles; Toy engines**

- 17/00 Toy vehicles, e.g. with self-drive; Accessories therefor**

- 17/02 • convertible into other forms under the action of impact or shock, e.g. arrangements for imitating accidents
- 17/045 • shaped as armoured cars, tanks or the like [4]
- 17/05 • Trucks; Lorries
- 17/06 • • with tipping bodies
- 17/08 • • carrying a mechanically-raised ladder
- 17/10 • • carrying a tank for transporting liquids
- 17/12 • with cranes, winches or the like
- 17/14 • Endless-track automobiles or trucks
- 17/16 • in the form of a bicycle, with or without riders thereon
- 17/18 • Tricycles, e.g. with moving figures
- 17/21 • shaped as motorcycles with or without figures [4]
- 17/22 • Scooters with driver figure propelled by their wheels or by movement of the figure
- 17/24 • shaped as sledges, sleighs, or bobsleighs with or without figures
- 17/25 • Other wheeled vehicles with moving figures
- 17/26 • Details; Accessories (drive mechanisms A63H 29/00)
- 17/267 • • Mounting wheels on the chassis [4]
- 17/273 • • Opening or closing mechanisms for doors or the like [4]
- 17/28 • • Electric lighting systems
- 17/30 • • Direction-indicators
- 17/32 • • Acoustical or optical signalling devices
- 17/34 • • Arrangements for imitating the noise of motors
- 17/36 • • Steering-mechanisms for toy vehicles
- 17/38 • • • actuated by hand
- 17/385 • • • remotely controlled [4]
- 17/39 • • • • radio controlled [4]
- 17/395 • • • steered by programme [4]
- 17/40 • • • Toy vehicles automatically steering or reversing by collision with an obstacle
- 17/41 • • • Toy vehicles prevented from falling off the supporting surface by automatic steering or reversing [4]
- 17/42 • • Automatic stopping or braking arrangements
- 17/44 • • Toy garages for receiving toy vehicles; Filling stations
- 18/00 Highways or trackways for toys** (railway permanent way A63H 19/30; for special railways A63H 21/00); **Propulsion by special interaction between vehicle and track**
- 18/02 • Construction or arrangement of the trackway
- 18/04 • • Up-and-down-hill trackways (A63H 18/06 takes precedence)
- 18/06 • • designed to cause movement of a vehicle by alteration of the inclination of part of the trackway
- 18/08 • with mechanical means for guiding or steering
- 18/10 • with magnetic means for steering
- 18/12 • Electric current supply to toy vehicles through the track
- 18/14 • Drives arranged in the track, e.g. endless conveying means, magnets, driving-discs
- 18/16 • Control of vehicle drives by interaction between vehicle and track; Control of track elements by vehicles
- 19/00 Model railways** (propulsion by special interaction between vehicle and track A63H 18/00)
- 19/02 • Locomotives; Motor coaches
- 19/04 • • spring-driven
- 19/06 • • Steam-driven locomotives; Engines therefor
- 19/08 • • • Boilers for locomotives
- 19/10 • • electrically driven
- 19/12 • • • with electric reversing gear
- 19/14 • • Arrangements for imitating locomotive features, e.g. whistling, signalling, puffing
- 19/15 • Special types of cars
- 19/16 • Parts for model railway vehicles
- 19/18 • • Car coupling or uncoupling mechanisms
- 19/20 • • Illuminating arrangements
- 19/22 • • Wheels; Wheel axles; Bogies
- 19/24 • Electric toy railways; Systems therefor
- 19/26 • • Toy vehicles with overhead trolley-wire; Trolley-buses
- 19/28 • Mechanical toy railway systems
- 19/30 • Permanent way; Rails; Rail-joint connections
- 19/32 • • Switches or points; Operating means therefor
- 19/34 • Bridges; Stations; Signalling systems
- 19/36 • Model railway structures, e.g. kinds of arrangement of several units in containers, or on plates, or in combination with scenics for toy purposes
- 21/00 Other toy railways**
- 21/02 • with cable- or rail-suspended vehicles
- 21/04 • Mono-railways, e.g. with vehicles embracing the rail in the form of a saddle (A63H 21/02 takes precedence)
- 23/00 Toy boats; Floating toys; Other aquatic toy devices [2]**
- 23/02 • Boats; Sailing boats
- 23/04 • • Self-propelled boats, ships or submarines
- 23/06 • • • jet-propelled
- 23/08 • Cartesian or other divers
- 23/10 • Other water toys, floating toys, or like buoyant toys
- 23/12 • • Waterborne toy projectiles; Knock-apart toys; Exploding ship toys
- 23/14 • • Special drives
- 23/16 • • Aquatic toy installations; Harbour arrangements
- 25/00 Toy steam, gas, or compressed-air engines** (for locomotives A63H 19/06)
- 25/02 • Distributing-gear
- 27/00 Toy aircraft; Other flying toys** (toys with parachutes A63H 33/20)
- 27/01 • Toy aircraft with flexible or folded wings [4]
- 27/04 • Captive toy aircraft
- 27/08 • Kites
- 27/10 • Balloons
- 27/127 • Flying toys capable of landing or taking-off vertically; Flying tops [4]
- 27/133 • • Helicopters; Gyroplanes (A63H 27/04 takes precedence) [4]
- 27/14 • Starting or launching devices for toy aircraft; Arrangements on toy aircraft for starting or launching
- 27/16 • Flying toys made of folded paper [4]
- 27/18 • Constructional features of fuselages, wings or the like, e.g. for model aircraft [4]
- 27/20 • Transmission systems for actuating flying control surfaces, lift-increasing flaps or the like [4]
- 27/22 • Self-propelled toy aircraft, e.g. with extensible rubber bands (A63H 27/04, A63H 27/127 take precedence) [4]
- 27/24 • • combustion engine or electric motor propelled [4]
- 27/26 • • • Jet-propelled flying toys, e.g. aeroplanes (A63H 27/04, A63H 27/127 take precedence) [4]

## A63H

- 27/28 • Toy ornithopters [4]
- 27/30 • Features common to propellers for model aircraft, e.g. constructional features (for helicopters A63H 27/133) [4]
- 27/32 • Alighting gear for toy aircraft, e.g. wheeled type, floats [4]

### Driving or controlling toys, e.g. toy vehicles

#### **29/00 Drive mechanisms for toys in general**

- 29/02 • Clockwork mechanisms
- 29/04 • • Helical-spring driving mechanisms
- 29/06 • • Other elements therefor
- 29/08 • Driving mechanisms actuated by balls or weights
- 29/10 • Driving mechanisms actuated by flowing media
- 29/12 • • by a sand stream
- 29/14 • • by a water stream
- 29/16 • • by steam or compressed air
- 29/18 • Driving mechanisms with extensible rubber bands
- 29/20 • Flywheel driving mechanisms
- 29/22 • Electric drives (power supply through track A63H 18/12)
- 29/24 • Details or accessories for drive mechanisms, e.g. means for winding-up or starting toy engines

#### **30/00 Remote-control arrangements specially adapted for toys, e.g. for toy vehicles** (remotely controlled steering mechanisms for toy vehicles A63H 17/385; for model railways A63H 19/24, A63H 19/28) [4]

- 30/02 • Electrical arrangements
- 30/04 • • using wireless transmission
- 30/06 • Hydraulic or pneumatic arrangements

#### **31/00 Gearing for toys**

- 31/02 • Screw-spindle mechanisms
- 31/04 • Friction mechanisms
- 31/06 • Belt or string gear
- 31/08 • Gear-control mechanisms; Gears for imparting a reciprocating motion
- 31/10 • Gearing mechanisms actuated by movable wires enclosed in flexible tubes

#### **33/00 Other toys**

- 33/02 • Toy hoops; Sticks for propelling
- 33/04 • Building blocks, strips, or similar building parts
- 33/06 • • to be assembled without the use of additional elements
- 33/08 • • • provided with complementary holes, grooves, or protuberances, e.g. dovetails
- 33/10 • • to be assembled by means of additional non-adhesive elements
- 33/12 • • • Perforated strips or the like assembled by rods, bolts, or the like
- 33/14 • • specially adapted to be assembled by adhesive or cement
- 33/16 • Models made by folding paper
- 33/18 • Throwing or slinging toys (spring toy guns F41B 7/08)
- 33/20 • Toys with parachutes; Toy parachutes
- 33/22 • Optical, colour, or shadow toys (kaleidoscopes G02B 27/08)
- 33/26 • Magnetic or electric toys (electric drives A63H 29/22)
- 33/28 • Soap-bubble toys; Smoke toys (arrangements for producing smoke images or rings during smoking A24F 13/30)
- 33/30 • Imitations of apparatus, not otherwise provided for, e.g. telephones, weighing-machines or cash-registers [3]
- 33/32 • Moulds, shapes, spades, or the like, for playing with sand
- 33/36 • Sparking toys
- 33/38 • Picture books with additional toy effects, e.g. pop-up or slide displays [4]
- 33/40 • Windmills; Other toys actuated by air currents (driving mechanisms for toys actuated by steam or compressed air A63H 29/16)
- 33/42 • Toy models or toy scenery not otherwise provided for

#### **37/00 Jokes; Confetti, streamers, or other dance favours [4]**

## A63J DEVICES FOR THEATRES, CIRCUSES, OR THE LIKE; CONJURING APPLIANCES OR THE LIKE

### Subclass index

STAGE OR CIRCUS ARRANGEMENTS.....	1/00-5/00
OTHER VISUAL ENTERTAINMENT.....	13/00-19/00, 25/00, 99/00
OTHER ENTERTAINMENT.....	9/00, 11/00, 99/00
APPARATUS FOR ARTISTES.....	7/00, 21/00

#### **1/00 Stage arrangements**

- 1/02 • Scenery; Curtains; Other decorations; Means for moving same

#### **3/00 Equipment for, or arrangement of, circuses or arenas**

#### **5/00 Auxiliaries for producing special effects on stages, or in circuses or arenas**

- 5/02 • Arrangements for making stage effects; Auxiliary stage appliances
- 5/04 • • Arrangements for making sound-effects

- 5/10 • Arrangements for making visible or audible the words spoken

- 5/12 • Apparatus for raising or lowering persons

#### **7/00 Auxiliary apparatus for artistes**

#### **9/00 Centrifugal tracks, loop-the-loops, or the like** (chutes for public amusement A63G 21/00)

#### **11/00 Labyrinths**

#### **13/00 Panoramas, dioramas, stereoramas, or the like**

15/00	Peep-shows, e.g. raree-shows; Kaleidoscopic or other opalescence exhibitions	21/00	Conjuring appliances; Auxiliary apparatus for conjurers
17/00	Apparatus for performing colour-music	25/00	Equipment specially adapted for cinemas (cinematographic projection means G03B) [2009.01]
19/00	Puppet, marionette, or shadow shows or theatres	99/00	Subject matter not provided for in other groups of this subclass [2009.01]

**A63K RACING; RIDING SPORTS; EQUIPMENT OR ACCESSORIES THEREFOR** (stop watches G04F 7/06; timing G07C 1/22; indicating arrangements for variable information by selection or combination of individual elements G09F 9/00)

1/00	Race-courses; Race-tracks	3/02	• Starting-appliances, e.g. starting blocks
1/02	• for greyhounds or other dogs	3/04	• Hurdles or the like
3/00	Equipment or accessories for racing or riding sports	99/00	Subject matter not provided for in other groups of this subclass [2006.01]