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

WARNINGS
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
   - A63B 7/06 covered by A63G 1/00
   - A63B 22/08 covered by A63B 22/0005
   - A63B 22/10 covered by A63B 22/0005, A63B 22/0002
   - A63B 22/12 covered by A63B 22/0005
   - A63B 29/04 covered by A63B 29/00
   - A63B 31/16 covered by A63B 31/14, A63B 31/18
   - A63B 63/02 covered by A63B 63/00
   - A63B 63/04 covered by A63B 63/00
   - A63B 69/22 covered by A63B 69/20
   - A63B 69/28 covered by A63B 69/20
   - A63B 69/30 covered by A63B 69/20
   - A63B 71/16 covered by A63B 71/14, A63B 71/148

2. 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.

Gymnastic exercising apparatus (training apparatus for special sports A63B 69/00; apparatus for passive exercising, massage A61H)

   1/00 Horizontal bars
      1/005 . (Safety devices for securing the rods)
      1/04 . Cleaning the rods
   3/00 Parallel bars or similar apparatus
   4/00 Balance beams
      5/00 Apparatus for jumping (mats for jumping A63B 6/00; for racing or riding sports, e.g. hurdles A63K)
         5/02 . High-jumping posts
         5/04 . Ropes (or similar devices) therefor
         5/06 . Vaulting poles (; Take-off boxes therefor)
         5/08 . Spring-boards (of trampoline type A63B 5/11 (; in the form of spring mats A63B 6/00))
            2005/085 . (for launching, e.g. catapulting)
            5/10 . for aquatic sports
            5/11 . Trampolines
            5/12 . Bolster vaulting apparatus, e.g. horses, bucks, tables
            5/16 . Training devices for jumping; Devices for balloon-jumping; Jumping aids (A63B 25/02, A63B 25/10 take precedence)
               2005/163 . (Free-fall jumping on elastic cords, e.g. Bungee jumping)
               5/166 . (Devices for balloon-jumping)
               5/20 . Skipping-ropes (or similar devices rotating in a vertical plane)
               5/205 . (Powered skipping rope devices)
   5/22 . Foot obstacles for skipping (e.g. horizontally-rotating obstacles)
   6/00 Mats or the like for absorbing shocks for jumping, gymnastics or the like
      6/02 . for landing, e.g. for pole vaulting
      6/025 . (Sand landing pits, e.g. for long jumping)
   7/00 Freely-suspended gymnastic apparatus
      7/02 . Swinging rings; Trapezes
      7/04 . Climbing-ropes
      7/045 . (Using endless ropes)
      7/08 . Apparatus for rope-dancing
      7/085 . (Balancing on a band tensioned between two anchor points, e.g. Slackline type)
   9/00 Climbing poles, frames, or stages (for mountaineering training A63B 69/0048; endless loop ladders A63B 22/04)
      2009/002 . (Flat climbing nets)
      2009/004 . (Three-dimensional rope or cable networks)
      2009/006 . (Playground structures)
      2009/008 . (with water spraying means)
   15/00 Clubs for gymnastics or the like (e.g. for swinging exercises)
Gymnastic exercising apparatus

A63B

15/005  . . . (with a weight movable along the longitudinal axis of the club due to centrifugal forces)

**WARNING**

Group A63B 15/005 is impacted by reclassification into group A63B 60/04.

Groups A63B 15/005 and A63B 60/04 should be considered in order to perform a complete search.

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 (A63B 21/0608 takes precedence)

19/02  . . . Freely-movable rolling hoops, e.g. gyrowheels (or spheres or cylinders, carrying the user inside (resisting devices overcoming gyroscopic forces of rotating bodies A63B 21/22; standing on it for equilibrium exercises A63B 26/003))

19/04  . movably supported on a framework (or spheres or cylinders carrying the user inside (standing on it for equilibrium exercises A63B 26/003))

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

**NOTE**

In this subclass, the following terms or expressions are used with the meaning indicated:

• “resistance” and “resistance force” are often used in the art as synonyms for “counterforce”;

• “interface with the user” covers the part of the apparatus, on which the user directly applies his force

21/0004  . . . (Exercising devices moving as a whole during exercise (bar bells or dumb bells A63B 21/072; on wheels A63B 22/20))

21/00043  . . . (Exercising devices consisting of a pair of user interfaces connected by flexible elements, e.g. two handles connected by elastic bands (skipping ropes A63B 5/20; resilient elements A63B 21/02))

21/00047  . . . (Exercising devices not moving during use (benches A63B 21/4029; isometric exercising devices A63B 21/0023; step exercisers A63B 23/0458; walk exercisers A63B 23/0464))

21/0005  . . . (specially adapted for head stands)

21/00054  . . . (specially adapted for shoulder stands)

21/00058  . . . (Mechanical means for varying the resistance (A63B 21/06 takes precedence)

21/00061  . . . (Replaceable resistance units of different strengths, e.g. for swamping)

21/00065  . . . (by increasing or reducing the number of resistance units)

21/00069  . . . (Setting or adjusting the resistance level; Compensating for a preload prior to use, e.g. changing length of resistance or adjusting a valve)

21/00072  . . . (by changing the length of a lever)

21/00076  . . . (on the fly, i.e. varying the resistance during exercise)

21/00178  . . . (for active exercising, the apparatus being also usable for passive exercising)

21/00181  . . . (comprising additional means assisting the user to overcome part of the resisting force, i.e. assisted-active exercising)

21/00185  . . . (using resistance provided by the user, e.g. exercising one body part against a resistance provided by another body part (A63B 21/068 takes precedence; isometric exercise A63B 21/0023))

21/00189  . . . (using resistance provided by plastic deformable materials, e.g. lead bars or kneadable masses (resilient force-resistors made of material having high internal friction A63B 21/023))

21/00192  . . . (using resistance provided by magnetic means (A63B 21/005 takes precedence)

21/00196  . . . (using pulsed counterforce, e.g. vibrating resistance means (A61H 1/005 takes precedence)

21/002  . . . isometric or isokinetic, i.e. substantial force variation without substantial muscle motion (or wherein the speed of the motion is independent of the force applied by the user)

21/0023  . . . (for isometric exercising, i.e. substantial force variation without substantial muscle motion)

21/005  . . . using electromagnetic or electric force-resistors

21/0051  . . . (using eddy currents induced in moved elements, e.g. by permanent magnets)

21/0052  . . . (induced by electromagnets (A63B 21/0056 takes precedence)

21/0053  . . . (using alternators or dynamos)

21/0054  . . . (for charging a battery)

21/0055  . . . (the produced electric power used as a source for other equipment, e.g. for TVs)

21/0056  . . . (using electromagnetically-controlled friction, e.g. magnetic particle brakes)

21/0057  . . . (using electromagnetic clutches)

21/0058  . . . (using motors)

21/0059  . . . (using a frequency controlled AC motor)

21/008  . . . (using hydraulic or pneumatic force-resistors

21/0083  . . . (of the piston-cylinder type (using pneumatic piston-cylinder type force resistors A63B 21/0087))

21/0084  . . . (by moving the surrounding water (A63B 31/00, A63B 35/00 take precedence)

21/00845  . . . (using electrotheoretical or magnetotheoretical fluids)

21/0085  . . . (using pneumatic force-resistors)

21/0087  . . . (of the piston-cylinder type (using hydraulic piston-cylinder type force resistors A63B 21/0083))

21/0088  . . . (by moving the surrounding air)

21/0089  . . . (Suction cups)

21/012  . . . using frictional force-resistors (electromagnetically-controlled brakes A63B 21/0056)

21/0125  . . . (with surfaces rolling against each other without substantial slip)

21/015  . . . including rotating or oscillating elements (rubbing against fixed elements)

21/018  . . . including a rope (or other flexible element) moving relative to the surface of elements

21/02  . . . using resilient force-resistors
Gymnastic exercising apparatus

21/021 . . . (whereby the resistance changes abruptly during the exercising movement, e.g. by using toggles)
21/022 . . . (with springs acting at different parts of the stroke)
21/023 . . . (Wound springs)
21/025 . . . (Spiral springs with turns lying substantially in plane surfaces)
21/026 . . . (Bars; Tubes; Leaf springs (A63B 21/023 takes precedence))
21/027 . . . (Apparatus forced to oscillate at its resonant frequency)
21/028 . . . (made of material having high internal friction, e.g. rubber, steel wool, intended to be compressed (resistance provided by plastic deformable materials A63B 21/00189))
21/04 . . . attached to static foundation [, e.g. a user]
21/0407 . . . (with both ends stationary during the actual exercise, i.e. moving only at intermediate locations)
21/0421 . . . (the ends moving relatively by a pivoting arrangement)
21/0428 . . . (the ends moving relatively by linear reciprocation)
21/0435 . . . (One or both ends being anchored to a rotating element)
21/0442 . . . (Anchored at one end only, the other end being manipulated by the user)
21/045 . . . having torsion (or bending or flexion) element
21/0455 . . . (having torsion element around its longitudinal axis)
21/05 . . . Linearly-compressed elements (A63B 21/0608 takes precedence)
21/055 . . . extension element type
21/0552 . . . (Elastic ropes or bands)
21/0555 . . . (Details of the rope or band, e.g. shape or colour coding)
21/0557 . . . (Details of attachments, e.g. clips or clamps)
21/06 . . . User-manipulated weights
21/0601 . . . (Special physical structures of used masses)
21/0602 . . . (Fluids, e.g. water)
21/0603 . . . (Fluid-like particles, e.g. gun shot or sand)
21/0604 . . . (Solid masses, e.g. concrete (A63B 21/0603 takes precedence))
21/0605 . . . (with boxes, baskets or the like for stacking loose weights therein)
21/0606 . . . (Buoyant volumes to be submerged)
21/0607 . . . (Plastic masses, e.g. elastomers; Masses provided with plastic coverings)
21/0608 . . . (Eccentric weights put into orbital motion by nutating movement of the user)
21/0609 . . . (consisting of loosely interconnected elements for progressively changing weight, e.g. heavy chains)
21/0615 . . . (pivoting about a fixed horizontal fulcrum)
21/0616 . . . (with an adjustable moment (A63B 21/0617 takes precedence))
21/0617 . . . (with a changing moment as a function of the pivot angle)
21/0618 . . . (moving in a horizontal plane without substantial friction, i.e. using inertial forces)
21/062 . . . including guide for vertical {or non-vertical weights or} array of weights (to move against gravity forces)

21/0622 . . . (with adjustable inclination angle of the guiding means)
21/0624 . . . (by moving the guiding means)
21/0626 . . . (with substantially vertical guiding means)
21/0628 . . . . . . (for vertical array of weights)
21/063 . . . . . . . (Weight selecting means)
21/0632 . . . . . . . (the weights being lifted by rigid means)
21/065 . . . . . . . worn on user's body
21/068 . . . . . . . using user's body weight
21/072 . . . . . . . Dumb-bells, bar-bells or the like [, e.g. weight discs having an integral peripheral handle]
21/0722 . . . . . . . (transformable, e.g. from dumb-bell to bar-bell)
21/0724 . . . . . . . (Bar-bells; Hand bars)
21/0726 . . . . . . . (Dumb bells, i.e. with a central bar to be held by a single hand, and with weights at the ends)
21/0728 . . . . . . . (with means for fixing weights on bars, i.e. fixing olympic discs or bumper plates on bar-bells or dumb-bells)
21/075 . . . . . . . with variable weights [, e.g. weight systems with weight selecting means for bar-bells or dumb-bells]
21/078 . . . . . . . Devices for bench press exercises [, e.g. supports, guiding means]
21/0783 . . . . . . . (Safety features for bar-bells, e.g. drop limiting means)
21/08 . . . . . . . anchored at one end
21/15 . . . . . . . (Arrangements for force transmissions)
21/151 . . . . . . . (Using flexible elements for reciprocating movements, e.g. ropes or chains)
21/152 . . . . . . . (Bowden-type cables)
21/153 . . . . . . . (wound-up and unwound during exercise, e.g. from a reel)
21/154 . . . . . . . (with special pulley-assemblies)
21/155 . . . . . . . (Cam-shaped pulleys or other non-uniform pulleys, e.g. conical)
21/156 . . . . . . . (the position of the pulleys being variable, e.g. for different exercises)
21/157 . . . . . . . (Ratchet-wheel links; Overrunning clutches; One-way clutches)
21/158 . . . . . . . (Hydraulic transmissions (hydraulic force resistors A63B 21/008))
21/159 . . . . . . . (Using levers for transmitting forces)
21/16 . . . . . . . Supports for anchoring force-resistors
21/1609 . . . . . . . (for anchoring on a chair (chairs with exercising means A47C 9/002))
21/1618 . . . . . . . (on a door or a door frame)
21/1627 . . . . . . . (for anchoring on or between the vertical posts of a door frame)
21/1636 . . . . . . . (foranchoring on the horizontal part of a door frame)
21/1645 . . . . . . . (foranchoring on a door)
21/1654 . . . . . . . (foranchoring between a door and the floor)
21/1663 . . . . . . . (foranchoring between a door and the door frame)
21/1672 . . . . . . . (foranchoring on beds or mattresses)
21/1681 . . . . . . . (foranchoring between horizontal surfaces, e.g. the floor and the ceiling)
21/169 . . . . . . . (foranchoring on or against a wall)
21/22 . . . . . . . Resisting devices with rotary bodies (A63B 21/0608 takes precedence)
21/222 . . . . . . . (by overcoming gyroscopic forces, e.g. by turning the spin axis)
Gymnastic exercising apparatus

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; (for particular parts of the body, e.g. to strengthen particular limbs or muscles A63B 23/00; for electric or electronic controls therefor A63B 24/00) |

**NOTE**
In this subclass, multi-aspect classification is applied, so that subject matter characterised by aspects covered by more than one of its groups, which is considered to represent information of interest for search, may also be classified in each of those groups.

22/0002 (involving an exercising of arms (for strengthening the upper limbs A63B 23/12))
22/0005 (with particular movement of the arms provided by handles moving otherwise than pivoting about a horizontal axis parallel to the body-symmetrical-plane)
22/0007 (by alternatively exercising arms or legs, e.g. with a single set of support elements driven either by the upper or the lower limbs)
22/0001 (by simultaneously exercising arms and legs, e.g. diagonally in anti-phase (A63B 22/0076 takes precedence))
22/0012 (the exercises for arms and legs being functionally independent)
22/0015 (with an adjustable movement path of the support elements)
22/0017 (the adjustment being controlled by movement of the user)
22/0019 (electronically, e.g. by using a program)
22/0023 (the inclination of the main axis of the movement path being adjustable, e.g. the inclination of an endless band)
22/0025 (Particular aspects relating to the orientation of movement paths of the limbs relative to the body; Relative relationship between the movements of the limbs)
22/0028 (the movement path being non-parallel to the body-symmetrical-plane, e.g. support elements moving at an angle to the body-symmetrical-plane)
22/003 (the movement path being perpendicular to the body-symmetrical-plane)
22/0033 (Lower limbs performing together the same movement, e.g. on a single support element)
22/0035 (Upper limbs performing together the same movement, e.g. on a single support element)
22/0038 (One foot moving independently from the other, i.e. there is no link between the movements of the feet)
22/0041 (one hand moving independently from the other hand, i.e. there is no link between the movements of the hands)
22/0043 (the movements of the limbs of one body half being synchronised, e.g. the left arm moving in the same direction as the left leg)
Gymnastic exercising apparatus

A63B

22/0046 . [Details of the support elements or their connection to the exercising apparatus, e.g. adjustment of size or orientation (attachments of resistors or weights to the body of the user A63B 21/4001; using rollers, wheels, castors or gliding means to be moved over the floor or guide tracks A63B 22/20)]

22/0048 . [with cantilevered support elements pivoting about an axis A63B 22/0076 takes precedence]

22/0051 . [the support elements being supported at a substantial distance below their axis, e.g. the axis for the foot support elements are arranged at hip height]

22/0053 . [each support element being cantilevered by a parallelogram system]

22/0056 . [the pivoting movement being in a vertical plane, e.g. steppers with a horizontal axis (platforms for rocking motion about a horizontal axis A63B 22/16)]

22/0058 . [the vertical plane being the frontal body-plane]

22/0061 . [the pivoting movement being in a horizontal plane, e.g. skating movement (platforms for reciprocating rotating motion about a vertical axis A63B 22/14)]

22/0064 . [the pivoting movement being in a plane inclined with respect to the horizontal plane, e.g. a step and twist movement]

22/0066 . [the support elements movement being downward-inward, i.e. towards the body-symmetrical-plane]

22/0069 . [about an axis inclined with respect to the horizontal plane, e.g. steppers with an inclined axis]

22/0071 . [the axis being located behind the user, e.g. for skate training]

22/0074 . [the axis being located in front of the user, e.g. for steppers with twist movement]

22/0076 . [Rowing machines for conditioning the cardiovascular system (seats moving during exercise A63B 22/0087; training appliances for rowing or sculling on boats A63B 69/06)]

22/0079 . [with a pulling cable]

22/0082 . [with pivoting handlebars]

22/0084 . [pivoting about a horizontal axis]

22/0087 . [with a seat or torso support moving during the exercise, e.g. reformers (A63B 22/0076 takes precedence)]

22/0089 . [a counterforce being provided to the support (force-resisting aspects A63B 21/000)]

22/0092 . [for training agility or co-ordination of movements]

22/0094 . [for active rehabilitation, e.g. slow motion devices]

22/0097 . [for avoiding blood stagnations, e.g. Deep Vein Thrombosis (DVT)]

22/02 . [with movable endless bands, e.g. treadmills (other training appliances for running on the spot A63B 69/0028)]

22/0207 . [having shock absorbing means]

22/0214 . [between the belt supporting deck and the frame]

22/0221 . [on the frame supporting the rollers]

22/0228 . [with variable resilience]

22/0235 . [driven by a motor]

22/0242 . [with speed variation]

22/025 . . . . [electrically, e.g. D.C. motors with variable speed control]

22/0257 . . . . [Mechanical systems therefor]

22/0264 . . . . [hydraulically]

2022/0271 . (omnidirectional)

22/0278 . . . [with reversible direction of the running surface]

22/0285 . . . [Physical characteristics of the belt, e.g. material, surface, indicia]

22/0292 . . . [separate for each leg, e.g. dual deck]

22/04 . [with movable {multiple} steps, i.e. more than one step per limb, e.g. steps mounted on endless loops, endless ladders (steppers with cantilevered support elements pivoting about an axis A63B 22/0048)]

22/06 . [with {support elements performing a} rotating cycling movement, i.e. a closed path movement (support stands for bicycles A63B 69/16; unicycles B62K 1/00)]

22/0605 . . . [performing a circular movement, e.g. ergometers]

22/0611 . . . [Particular details or arrangement of cranks]

22/0617 . . . . [with separate crank for each limb, e.g. being separately adjustable or non parallel]

22/0623 . . . [Crank's of adjustable length]

22/0629 . . . . [each pedal being supported by two or more cranks]

22/0635 . . . . [specially adapted for a particular use]

22/0641 . . . [enabling a lateral movement of the exercising apparatus, e.g. for simulating movement on a bicycle]

22/0647 . . . [for cycling in a standing position, i.e. without a seat or support for the trunk]

22/0652 . . . [for cycling in a recumbent position]

22/0658 . . . [for cycling with a group of people, e.g. spinning classes]

22/0664 . . . [performing an elliptic movement]

22/0667 . . . [with crank and handles being on opposite sides of the exercising apparatus with respect to the frontal body-plane of the user, e.g. the crank is behind and handles are in front of the user]

22/0676 . . . [with crank and handles being on the same side of the exercising apparatus with respect to the frontal body-plane of the user, e.g. crank and handles are in front of the user]

22/0682 . . . . [with support elements being cantilevered, i.e. the elements being supported only on one side without bearing on tracks on the floor below the user]

22/0688 . . . . [with cranks being substantially within the horizontal moving range of the support elements, e.g. by using planetary gearings]

22/0694 . . . [without integral seat, e.g. portable mini ergometers being placed in front of a chair, on a table or on a bed]

22/14 . Platforms for reciprocating rotating motion about a vertical axis, i.e. axis through the middle of the platform

22/16 . Platforms for rocking motion about a horizontal axis, e.g. axis through the middle of the platform; Balancing drums; Balancing boards or the like (exercising apparatus with cantilevered support elements pivoting about an axis A63B 22/0056; other exercising apparatus for improving balance A63B 26/003)
Gymnastic exercising apparatus

22/18 . with elements, {i.e. platforms,} having a circulating, [nutating] or rotating movement, generated by oscillating movement of the user, {e.g. platforms wobbling on a centrally arranged spherical support} (hoop exercising apparatus A63B 19/00; eccentric weights put into orbital motion by nutating movement of the user A63B 21/00) / pots rotating or rocking by moving the whole body A63G 23/00)

2022/18S . [specially adapted for using with a single foot or hand]

22/20 . using rollers, wheels, castors or the like, {e.g. gliding means,} to be moved over the floor or other surface, {e.g. guide tracks,} during exercising

22/201 . {for moving a support element in reciprocating translation, i.e. for sliding back and forth on a guide track}

22/203 . . . {in a horizontal plane}

22/205 . . . {in a substantially vertical plane, e.g. for exercising against gravity (exercising for developing or strengthening the muscles or joints of the body by working against a user's body weight A63B 21/068; with adjustable inclination A63B 22/0023)}

2022/206 . . . [on a curved path]

22/208 . . . {On a track which is itself moving during exercise}

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 15/06)

2023/003 . . . {by torsion of the body part around its longitudinal axis}

2023/006 . . . {for stretching exercises}

23/02 . for the abdomen, the spinal column or the torso {muscles related to shoulders (e.g. chest muscles)}

23/0205 . . . {Abdomen}

23/0211 . . . {moving torso with immobilized lower limbs}

23/0216 . . . {moving lower limbs with immobilized torso}

23/0222 . . . {moving torso and lower limbs}

23/0227 . . . {moving torso or lower limbs laterally, i.e. substantially in the frontal plane}

23/0233 . . . {Muscles of the back, e.g. by an extension of the body against a resistance, reverse crunch}

23/0238 . . . {Spinal column (for the neck A63B 23/025)}

23/0244 . . . {with signalling or indicating means, e.g. of incorrect posture, for deep-breathing exercises}

23/025 . . . for the head or the neck

23/03 . . . for face muscles

23/032 . . . {for insertion in the mouth}

23/035 . . . for limbs, i.e. upper or lower limbs, e.g. simultaneously

23/03508 . . . {For a single arm or leg, (A63B 21/0726 takes precedence)}

23/03516 . . . {For both arms together or both legs together; Aspects related to the co-ordination between right and left side limbs of a user}

23/03525 . . . {Supports for both feet or both hands performing simultaneously the same movement, e.g. single pedal or single handle (A63B 21/0724 takes precedence)}

23/03533 . . . {With separate means driven by each limb, i.e. performing different movements}

23/03541 . . . {Moving independently from each other (A63B 22/00 takes precedence)}

23/0355 . . . {A single apparatus used for either upper or lower limbs, i.e. with a set of support elements driven either by the upper or the lower limb or limbs}

23/03558 . . . {Compound apparatus having multiple stations allowing an user to exercise different limbs}

23/03566 . . . . . . {the multiple stations having a common resistance device}

23/03575 . . . {Apparatus used for exercising upper and lower limbs simultaneously}

23/03583 . . . {Upper and lower limbs acting simultaneously on the same operating rigid member}

23/03591 . . . {Upper and lower limb moving in phase, i.e. right foot moving in the same direction as the right hand}

23/04 . . . for lower limbs {training appliances for special sports A63B 69/00; for the purpose of producing mechanical power F03G 5/00}

23/0405 . . . {involving a bending of the knee and hip joints simultaneously (A63B 23/0476 takes precedence)}

2023/0411 . . . {Squatting exercises}

23/0417 . . . . {with guided foot supports moving parallel to the body-symmetrical-plane by translation}

23/0423 . . . . {with guided foot supports moving parallel to the body-symmetrical-plane, one end executing a complete circular movement, the other end translating almost linearly, e.g. giving an elliptical movement to the foot}

23/0429 . . . . {with guided foot supports moving parallel to the body-symmetrical-plane by being cantilevered about a horizontal axis}

2023/0435 . . . . {not used}

23/0441 . . . {canted about two horizontal axes, e.g. parallelogram systems}

23/0447 . . . {the axis being in the body-symmetrical-plane}

23/0452 . . . . . . {the foot support being substantially below said axes}

23/0458 . . . . . . {Step exercisers without moving parts (with movable steps A63B 22/04)}

23/0464 . . . . . . {Walk exercisers without moving parts (with movable endless bands A63B 22/02)}

23/047 . . . . . . {Walking and pulling or pushing a load (for exercising the player ability for rugby or American football A63B 69/345)}

23/0476 . . . . . . {by rotating cycling movement (arrangements on or for real bicycles A63B 69/16)}

WARNING Group A63B 23/0476 is no longer used for classification. Documents are in the process of being reorganised to group A63B 22/06

23/0482 . . . . . . {primarily by articulating the hip joints (A63B 23/0211, A63B 23/0405, A63B 23/0476 take precedence)}

23/0488 . . . . . . {by spreading the legs}

23/0494 . . . . . . {primarily by articulating the knee joints (A63B 23/0405, A63B 23/0476 take precedence)}
Gymnastic exercising apparatus

A63B

23/08  for ankle joints
23/085  [by rotational movement of the joint in a plane substantially parallel to the body-symmetrical-plane]
23/10  for feet or toes
23/12  for upper limbs {or related muscles, e.g. chest, upper back or shoulder muscles (bench press exercises A63B 21/078; for teaching music G09B 15/006)}
23/1209  {Involving a bending of elbow and shoulder joints simultaneously}
23/1218  {Chinning, pull-up, i.e. concentric movement}
23/1227  {Dips, i.e. push-ups in a vertical position, i.e. eccentric movement, e.g. between parallel bars}
23/1236  {Push-ups in horizontal position, i.e. eccentric movement}
23/1245  {Primarily by articulating the shoulder joint (A63B 23/129 takes precedence)}
23/1254  {Rotation about an axis parallel to the longitudinal axis of the body, e.g. butterfly-type exercises}
23/1263  {Rotation about an axis passing through both shoulders, e.g. cross-country skiing-type arm movements}
23/1272  {Rotation around an axis perpendicular to the frontal body-plane of the user, i.e. moving the arms in the plane of the body, to and from the sides of the body}
23/1281  {primarily by articulating the elbow joint}
23/129  {for arm wrestling}
23/14  for wrist joints
23/16  for hands or fingers {(for teaching typing G09B 13/00)}
23/18  for improving respiratory function
23/185  {Rhythm indicators}
23/20  for vaginal muscles {or other sphincter-type muscles}
24/00  Electric or electronic controls for exercising apparatus of preceding groups; {Controlling or monitoring of exercises, sporting games, training or athletic performances}
24/0003  {Analysing the course of a movement or motion sequences during an exercise or trainings sequence, e.g. swing for golf or tennis}
24/0006  {Computerised comparison for qualitative assessment of motion sequences or the course of a movement}
2024/0009  {Computerised real time comparison with previous movements or motion sequences of the user}
2024/0012  {Comparing movements or motion sequences with a registered reference}
2024/0015  {Comparing movements or motion sequences with computerised simulations of movements or motion sequences, e.g. for generating an ideal template as reference to be achieved by the user}
2024/0018  {using non electronic means}
2024/0021  {Tracking a path or terminating locations}
2024/0025  {Tracking the path or location of one or more users, e.g. players of a game}
2024/0028  {Tracking the path of an object, e.g. a ball inside a soccer pitch}
2024/0031  {at the starting point}
2024/0034  {during flight}
2024/0037  {on a target surface or at impact on the ground}
2024/004  {Multiple detectors or sensors each defining a different zone}
2024/0043  {Systems for locating the point of impact on a specific surface}
2024/0046  {Mechanical means for locating the point of impact or entry}
2024/005  {Keeping track of the point of impact or entry}
2024/0053  {for locating an object, e.g. a lost ball}
2024/0056  {for statistical or strategic analysis}
2024/0059  {Exercising apparatus with reward systems}
2024/0062  {Monitoring athletic performances, e.g. for determining the work of a user on an exercise apparatus, the completed jogging or cycling distance}
2024/0065  {Evaluating the fitness, e.g. fitness level or fitness index}
2024/0068  {Comparison to target or threshold, previous performance or not real time comparison to other individuals}
2024/0071  {Distinction between different activities, movements, or kind of sports performed}
2024/0075  {Means for generating exercise programs or schemes, e.g. computerized virtual trainer, e.g. using expert databases}
2024/0078  {Exercise efforts programmed as a function of time}
2024/0081  {Coaching or training aspects related to a group of users}
2024/0084  {Exercising apparatus with means for competitions, e.g. virtual races}
2024/0087  {Electric or electronic controls for exercising apparatus of groups A63B 21/00 - A63B 23/00, e.g. controlling load}
2024/009  {the load of the exercise apparatus being controlled in synchronism with visualising systems, e.g. hill slope}
2024/0093  {the load of the exercise apparatus being controlled by performance parameters, e.g. distance or speed}
2024/0096  {using performance related parameters for controlling electronic or video games or avatars}
25/00  Stilts or the like
25/02  Elastic stilts {devices for balloon jumping A63B 5/166}
25/04  with wheels
25/06  Shoes formed with stilts to elongate the step
25/08  Hopping-sticks, e.g. pogo sticks {(for balloon jumping A63B 5/166)}
25/10  Elastic bouncing shoes fastened to the foot
26/00  Exercising apparatus not covered by groups A63B 1/00 - A63B 25/00
26/003  {for improving balance or equilibrium (balance beams A63B 4/00; apparatus for rope dancing A63B 7/08; balancing drums, balancing boards or the like A63B 22/16)}
**CPC - 2020.05**

**A63B**

33/00 Swimming equipment attachable to the head, e.g. swim caps or goggles (diving masks B63C 11/12; breathing aids, e.g. snorkels, B63C 11/18)

33/02 [Swimming goggles (with means covering the nostrils B63C 11/12)]

33/04 . . . [Swimming goggles (with means covering the nostrils B63C 11/12)]

33/06 . . . [Swimming goggles (with means covering the nostrils B63C 11/12)]

33/08 . . . [Stepless adjustment]

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 32/00, B63B 34/00; divers' sleds or like craft B63C 11/46)

**NOTE**

References listed below indicate CPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Effecting propulsion of vessels by muscle power B63H 16/00

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

35/15 . . . [the motor being driven by compressed air carried by the swimmer]

**Balls**

37/00 Solid balls; [Rigid hollow balls]; Marbles (heavy throwing balls A63B 65/06)

37/0001 . . . [Balls with finger holes, e.g. for bowling]

37/0002 . . . [Arrangements for adjusting, improving or measuring the grip, i.e. location, size, orientation or the like of finger holes]

37/0003 . . . [Golf balls (for practising drives A63B 69/3655, for practise putting A63B 69/3688)]

37/0004 . . . [Surface depressions or protrusions]

37/0005 . . . . [Protrusions]

37/0006 . . . . [Arrangement or layout of dimples]

37/0007 . . . . [Non-circular dimples]

37/0008 . . . . [Elliptical]

37/0009 . . . . [Polygonal]

37/001 . . . . [Annular]

37/0011 . . . . [Grooves or lines]

37/0012 . . . . [Dimple profile, i.e. cross-sectional view]

37/0013 . . . . [The dimple being formed in both the cover and the underlying layer]

37/0015 . . . . [With sub-dimples formed within main dimples]

37/0016 . . . . [Specified individual dimple volume]

37/0017 . . . . [Specified total dimple volume]

37/0018 . . . . [Specified number of dimples]

37/0019 . . . . [Specified dimple depth]

37/002 . . . . [Specified dimple diameter]

37/0021 . . . . [Occupation ratio, i.e. percentage surface occupied by dimples]

37/0022 . . . . [Coatings, markings (methods for marking A63B 45/02)]

37/0023 . . . . [Covers]

37/0024 . . . . [Materials other than ionomers or polyurethane]
Intermediate layers, e.g. inner cover, outer core, mantle

Physical properties

Special construction

Deflection or compression

Density; Specific gravity

Melt flow rate [MFR]

Flexural modulus; Bending stiffness

Intermediate layers, e.g. inner cover, outer core, mantle

Special materials

Coefficient of restitution

Hardness

Thickness

Deflection or compression

Density; Specific gravity

Melt flow rate [MFR]

Flexural modulus; Bending stiffness

Special cores { (A63B 37/0001, A63B 37/0003 take precedence) }

Special materials other than polybutadienes; Special construction

Liquid cores

Thread wound

Substantially rigid, e.g. metal

Hollow; Gas-filled

Polyurethane

Ionomer

Polyurethane

Coatings

Special coverings , i.e. outer layer material { ( A63B 37/0001, A63B 37/0003 take precedence) }

Special cores { (A63B 37/0001, A63B 37/0003 take precedence) }

Special materials other than polybutadienes; Special construction

Physical properties

Hardness

Density

Deflection or compression

Density; Specific gravity

Weight; Mass

Initial velocity

Flexural modulus

Characteristics of the ball as a whole

[with a specified number of layers]

Solid, i.e. formed of a single piece

Two piece balls, i.e. cover and core

Three piece balls, i.e. cover, intermediate layer and core

Multi-piece balls, i.e. having two or more intermediate layers

Physical properties

Coefficient of restitution

Compression

Diameter

Deflection

Density; Specific gravity

Weight; Mass

Initial velocity

Flexural modulus

Deflection or compression

Frequency

Coefficient of drag

Coefficient of lift

Density distribution amongst the different ball layers

Density distribution amongst the different ball layers

Moisture vapour transmission rate [MVTR]

Rebound resilience

Scuff resistance

Spin rate

Layers interlocking by means of protrusions or inserts, lattices or the like

Rigid hollow balls, e.g. for pétanque

Specific cores { (A63B 37/0001, A63B 37/0003 take precedence) }

Rigid cores

Elastic cores

Foam

Liquid cores; Plastic cores

Granular, e.g. comprising beads

Liquid, jellylike

Wound cores or layers

with eccentric centre of gravity

Special coverings , i.e. outer layer material { ( A63B 37/0001, A63B 37/0003 take precedence) }

[stitchings]

Special surfaces { (A63B 37/0004 takes precedence) }

Hollow non-inflatable balls, i.e. having no valves (rigid balls A63B 37/00)

substantially hollow and pressureless

pressured

Arrangements for maintaining the pressure

using special gas-impermeable layers

[using containers with pressurising means for balls not in use]

using special inflation gases

Pricking-balls; {Tools for blowing them up}

Special coverings

made of two halves

Hollow inflatable balls

with counterweight for adjusting the centre of gravity

Bladders

Closures therefor

Ball covers; Closures therefor

[ Closures]

Bladder and cover united

Tools or devices for blowing up or closing balls { (for pricking-balls A63B 39/04) }

Balls with special arrangements

Short-distance or low-velocity balls for training, or for playing on a reduced area

[with special configuration, e.g. non-spherical (discs for throwing A63B 65/10)]

electrically conductive, e.g. for automatic arbitration

[with adhesive type surfaces, e.g. hook-and-loop type fastener]
Balls

43/007  •  (Arrangements on balls for connecting lines or cords)
43/008  •  (with means for improving visibility, e.g. special markings or colours (illuminating or reflecting means A63B 43/06))
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 (with reflective surfaces)

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 (e.g. for holding or carrying balls)

WARNING
Group A63B 47/00 is impacted by reclassification into group A63B 57/20.
Groups A63B 47/00 and A63B 57/20 should be considered in order to perform a complete search.

47/001  •  (Ball holders attached to the player’s body (golfing accessories, e.g. holders A63B 57/20))

WARNING
Group A63B 47/001 is impacted by reclassification into groups A63B 57/20.
Groups A63B 47/001 and A63B 57/20 should be considered in order to perform a complete search.

47/002  •  (Devices for dispensing balls, e.g. from a reservoir (automatic teeing devices A63B 57/0006; devices for projecting balls A63B 69/40))

2047/004  •  (having means preventing bridge formation during dispensing)
47/005  •  (Ball heating devices)
47/007  •  (Devices for carrying, stacking or transporting bowling balls)
47/008  •  (Devices for measuring or verifying ball characteristics)
47/02  •  for picking-up (or collecting)
47/021  •  (for picking-up automatically, e.g. by apparatus moving over the playing surface)

2047/022  •  . . .  (Autonomous machines which find their own way around the playing surface)
47/024  •  (for collecting by using a sweeping means moving across the playing surface)
47/025  •  (Installations continuously collecting balls from the playing areas, e.g. by gravity, with conveyor belts)

2047/027  . . .  (Hydraulic ball transport)
2047/028  . . .  (pneumatic ball transport)
47/04  •  for cleaning balls (apparatus for cleaning balls, as accessories for bowling- or table alleys A63D 5/10)

2047/043  •  (with drying means)
2047/046  •  (Motorised)

Rackets, bats, or other accessories for ball games

49/00  Stringed rackets, e.g. for tennis (strings therefor A63B 51/00)

NOTES
1. When classifying in groups A63B 49/00 - A63B 60/00, it is desirable to add the indexing codes of group A63B 2102/00.
2. When classifying in groups A63B 49/00, A63B 53/00 or A63B 59/00, subject matter related to details or accessories of golf clubs, bats, rackets or the like are further classified in group A63B 60/00.

WARNING
Group A63B 49/00 is impacted by reclassification into groups A63B 51/00, A63B 59/00, A63B 60/00, A63B 60/46, A63B 2102/10, A63B 2102/12, A63B 2102/26, A63B 2102/28, A63B 2102/30, and A63B 2102/38.
All groups listed in this Warning should be considered in order to perform a complete search.

49/02  •  Frames

WARNING
Group A63B 49/02 is impacted by reclassification into groups A63B 49/02, A63B 49/025, A63B 49/028, A63B 49/03, A63B 49/032, A63B 49/035, A63B 49/038, A63B 60/00 and A63B 60/46.
All groups listed in this Warning should be considered in order to perform a complete search.

2049/0201  . . .  (with defined head dimensions)
2049/0202  . . .  (surface area)
2049/0203  . . .  (height)
2049/0204  . . .  (width)
2049/0205  . . .  (comprising at least two similar parts assembled with the interface plane parallel to the string plane)
2049/0207  . . .  (with defined overall length)
2049/0211  . . .  (with variable thickness of the head in a direction perpendicular to the string plane)
2049/0212  . . .  (with defined weight)
2049/0213  . . .  (without strings)
2049/0214  . . .  (head only)
2049/0217  . . .  (with variable thickness of the head in the string plane)

WARNING
Groups A63B 49/022 - A63B 49/038 are incomplete pending reclassification of documents from group A63B 49/02.
All groups listed in this Warning should be considered in order to perform a complete search.

49/022  . . .  String guides on frames, e.g. grommets
49/025  . . .  Means on frames for clamping string ends
49/028  . . .  Means for achieving greater mobility of the string bed
49/03  . . .  characterised by throat sections, i.e. sections or elements between the head and the shaft
Rackets, bats, or other accessories for ball games

49/032 . . . T-shaped connection elements
2049/0325 . . . [with two legs having mutually different constructions]
49/035 . . . with easily dismountable parts, e.g. heads, shafts or grips
49/038 . . . with head subframes for replacing strings
49/08 . . . with special construction of the handle

WARNING
Group A63B 49/08 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.
Groups A63B 49/08, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

49/10 . . . made of non-metallic materials, other than wood

WARNING
Group A63B 49/10 is impacted by reclassification into groups A63B 49/11, A63B 60/00, and A63B 60/46.
All groups listed in this Warning should be considered in order to perform a complete search.

49/12 . . . made of metal

WARNING
Group A63B 49/12 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.
Groups A63B 49/12, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

49/14 . . . Protection devices on the frame

WARNING
Group A63B 49/14 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.
Groups A63B 49/14, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

51/00 Stringing tennis, badminton or like rackets; Strings therefor; Maintenance of racket strings

WARNING
Group A63B 51/00 is incomplete pending reclassification of documents from group A63B 49/00.
Group A63B 49/00 should be considered in order to perform a complete search.

2051/001 . . . [using strings with different characteristics, e.g. gut and nylon, on the same frame]
2051/002 . . . [using strings with different cross-sections, e.g. different thickness, on the same frame]
2051/004 . . . [using strings with different tension on the same frame]
51/005 . . . Devices for measuring the tension of strings (for controlling the tension during stringing A63B 51/14)
51/01 . . . Pre-woven string-sets ready for insertion into a frame
51/015 . . . String-aligning tools
51/02 . . . Strings; String substitutes; Products applied on strings, e.g. for protection against humidity or wear
2051/023 . . . [with characteristics, e.g. diameter, elasticity varying along the length of the string]
2051/026 . . . [with non-circular cross-section]
51/04 . . . Sheet-like structures used as substitutes
2051/045 . . . [wooden blade with perforations]
51/06 . . . Double-sided stringing
51/08 . . . Diagonal stringing
51/10 . . . Reinforcements for stringing
51/11 . . . Intermediate members for the cross-points of the strings
51/12 . . . Devices arranged in or on the racket for adjusting the tension of the strings
51/14 . . . Arrangements for stringing, e.g. for controlling the tension of the strings during stringing

WARNING
Group A63B 51/14 is impacted by reclassification into group A63B 51/16.
Groups A63B 51/14 and A63B 51/16 should be considered in order to perform a complete search.

2051/143 . . . [Hand-Held string-tensioning devices]
2051/146 . . . [Devices simultaneously raising and lowering alternate longitudinal strings previously mounted in a frame, to facilitate the threading of the crossstrings]
51/16 . . . Apparatus for stringing while manufacturing

WARNING
Group A63B 51/16 is incomplete pending reclassification of documents from group A63B 51/14.
Groups A63B 51/14 and A63B 51/16 should be considered in order to perform a complete search.

53/00 Golf clubs

NOTE
When classifying in group A63B 53/00 and subgroups, subject matter related to details or
accessories of golf clubs, bats, rackets or the like are further classified in group A63B 60/00.

**WARNING**

Group A63B 53/00 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/02, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

2053/002 . . . [Clubs made of composite, plastics or rubber materials, with integral head and shaft]

2053/005 . . . [Club sets]

53/007 . . . [Putters]

53/02 . . . Joint structures between the head and the shaft

**WARNING**

Group A63B 53/02 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/02, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

2053/021 . . . [the shaft axis being forwardly offset relative to the striking face of the head]

2053/022 . . . [allowing adjustable positioning of the head with respect to the shaft]

2053/023 . . . [adjustable angular orientation]

2053/025 . . . [lie angle only, i.e. relative angular adjustment between the shaft and the club head about an axis parallel to the intended line of play when the club is in its normal address position]

2053/026 . . . [loft angle only, i.e. relative angular adjustment between the shaft and the club head about a horizontal axis perpendicular to the intended line of play when the club is in its normal address position]

2053/027 . . . [about the longitudinal axis of the shaft only]

2053/028 . . . [with a range of alternative attachment points for the shaft]

53/04 . . . Heads

**WARNING**

Group A63B 53/04 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/04, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

2053/0408 . . . [with defined dimensions]

2053/0412 . . . [Volume]

2053/0416 . . . [Heads with an impact surface provided by a face insert]

2053/042 . . . [the face insert consisting of a material different from that of the head]

2053/0425 . . . [the face insert comprising two or more different materials]

2053/0429 . . . [the face insert comprising two or more layers of material]

2053/0433 . . . [with special sole configurations]

2053/0437 . . . [with special crown configurations]

2053/0441 . . . [with visual indicators for aligning the golf club]

2053/0445 . . . [Details of grooves or the like on impact surface]

2053/045 . . . [Strengthening ribs]

2053/0454 . . . [Strengthening ribs on the rear surface of the impact face plate]

2053/0458 . . . [with non-uniform thickness of the impact face plate]

2053/0462 . . . [characterised by tapering thickness of the impact face plate]

53/0466 . . . [wood-type]

53/047 . . . [iron-type]

53/0475 . . . [with one or more enclosed cavities]

2053/0479 . . . [Wedge-type clubs, details thereof]

2053/0483 . . . [Chipping clubs, details thereof]

53/0487 . . . [for putters (A63B 53/065 takes precedence)]

2053/0491 . . . [with added weights, e.g. changeable, replaceable]

**WARNING**

Group A63B 2053/0491 is impacted by reclassification into group A63B 60/02.

Groups A63B 2053/0491 and A63B 60/02 should be considered in order to perform a complete search.

2053/0495 . . . [moving on impact, slidable, spring or otherwise elastically biased]

53/06 . . . [adjustable]

**WARNING**

Group A63B 53/06 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/06, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

53/065 . . . [for putters]

53/08 . . . with special arrangements for obtaining a variable impact

**WARNING**

Group A63B 53/08 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/08 and A63B 60/00, A63B 60/46 should be considered in order to perform a complete search.

53/10 . . . Non-metallic shafts

**WARNING**

Group A63B 53/10 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.

Groups A63B 53/10, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.
Rackets, bats, or other accessories for ball games

A63B

53/12  
**Metallic shafts**

**WARNING**
Group A63B 53/12 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.
Groups A63B 53/12, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

53/14  
.Handles

**WARNING**
Group A63B 53/14 is impacted by reclassification into groups A63B 60/00 and A63B 60/46.
Groups A63B 53/14, A63B 60/00, and A63B 60/46 should be considered in order to perform a complete search.

55/00  
**Bags for golf clubs; Stands for golf clubs for use on the course; Wheeled carriers specially adapted for golf bags**

**WARNING**
Group A63B 55/00 is impacted by reclassification into groups A63B 55/30, A63B 55/40, A63B 60/60, and A63B 60/64.
All groups listed in this Warning should be considered in order to perform a complete search.

55/10  
.Stands for golf clubs, e.g. for use on the course; Golf club holders, racks or presses

55/20  
.with special receptacles for the balls

55/30  
.Bags with wheels

**WARNING**
Group A63B 55/30 is incomplete pending reclassification of documents from group A63B 55/00.
Group A63B 55/00 should be considered in order to perform a complete search.

55/40  
.Bags with partitions or club holders

**WARNING**
Group A63B 55/40 is incomplete pending reclassification of documents from group A63B 55/00.
Group A63B 55/00 should be considered in order to perform a complete search.

2055/402  
[Warning devices for indicating missing golf clubs]

2055/403  
[Security means for locking golf clubs in the bag]

55/404  
[Covers or hoods for golf bags]

55/406  
[Releasably attached]

55/408  
[Releasably mounted accessories fitted outside the bag, e.g. straps or holders (A63B 55/20 and A63B 55/50 take precedence)]

55/50  
.Supports, e.g. with devices for anchoring to the ground

**WARNING**
Group A63B 55/50 is impacted by reclassification into group A63B 55/57.
Groups A63B 55/50 and A63B 55/57 should be considered in order to perform a complete search.

55/53  
.with legs opening automatically upon putting the bag on the ground

**WARNING**
Group A63B 55/53 is impacted by reclassification into group A63B 55/57.
Groups A63B 55/53 and A63B 55/57 should be considered in order to perform a complete search.

55/57  
.Bags with tripod or like set-up stands

**WARNING**
All Groups listed in this Warning should be considered in order to perform a complete search.

55/60  
.Wheeled carriers specially adapted for golf bags

**WARNING**
Group A63B 55/60 is impacted by reclassification into group A63B 55/57.
Groups A63B 55/60 and A63B 55/57 should be considered in order to perform a complete search.

2055/601  
[Caddies fitted with means for sitting]

2055/602  
[Means for mounting weather shields, e.g. umbrellas, on caddies]

2055/603  
[With means for trailing the caddy other than by hand]

2055/604  
[By mechanical links attached to the golf players]

2055/605  
[By remote control]

55/61  
.[motorised]

**WARNING**
Group A63B 55/61 is impacted by reclassification into group A63B 55/57.
Groups A63B 55/61 and A63B 55/57 should be considered in order to perform a complete search.

2055/615  
[Units for converting manually-driven golf carts into motorised ones]
Rackets, bats, or other accessories for ball games

57/00  Golfing accessories

**WARNING**

Group A63B 57/00 is impacted by reclassification into groups A63B 57/12, A63B 57/16, A63B 57/20, A63B 57/30, and A63B 57/35.

All groups listed in this Warning should be considered in order to perform a complete search.

57/0006  { Automatic teeing devices (devices for automatically dispensing balls in general A63B 47/002) }

57/0012  { Devices for forming the tees }

57/0032  { Tee-gauges; Tee-repairing devices }

**WARNING**

Group A63B 57/0032 is impacted by reclassification into group A63B 57/203.

Groups A63B 57/0032 and A63B 57/203 should be considered in order to perform a complete search.

57/0037  { Devices for inserting or extracting tees }

57/10  Golf tees

**WARNING**

Group A63B 57/10 is impacted by reclassification into groups A63B 57/12, A63B 57/13, A63B 57/16, A63B 57/18 and A63B 57/19.

All groups listed in this Warning should be considered in order to perform a complete search.

57/12  { Attached to straps }

**WARNING**

Groups A63B 57/12 is incomplete pending reclassification of documents from groups A63B 57/00 and A63B 57/10.

All groups listed in this Warning should be considered in order to perform a complete search.

57/13  { Foldable or separable }

**WARNING**

Group A63B 57/13 is incomplete pending reclassification of documents from group A63B 57/10.

Groups A63B 57/13 and A63B 57/10 should also be considered in order to perform a complete search.

57/15  { Height-adjustable }

57/16  { Brush-type tees }

**WARNING**

Group A63B 57/16 is incomplete pending reclassification of documents from groups A63B 57/00 and A63B 57/10.

Groups A63B 57/00 and A63B 57/10 should be considered in order to perform a complete search.

57/18  { With writing means }

**WARNING**

Groups A63B 57/18 is incomplete pending reclassification of documents from group A63B 57/10.

Group A63B 57/10 should be considered in order to perform a complete search.

57/19  { With direction indicators }

**WARNING**

Group A63B 57/19 is incomplete pending reclassification of documents from group A63B 57/10.

Group A63B 57/10 should be considered in order to perform a complete search.

57/20  { Holders, e.g. of tees or of balls }

**WARNING**

Group A63B 57/20 is incomplete pending reclassification of documents from groups A63B 47/00, A63B 47/001, and A63B 57/00.

Groups A63B 47/00, A63B 47/001, and A63B 57/00 should be considered in order to perform a complete search.

57/203  { Tee holders (to be fitted on golf bags or caddies A63B 55/408) }

**WARNING**

Group A63B 57/203 is impacted by reclassification into groups A63B 57/10, A63B 57/12, A63B 57/13, A63B 57/16, A63B 57/18, and A63B 57/19.

All groups listed in this Warning should be considered in order to perform a complete search.

57/207  { Golf ball position marker holders }

**WARNING**

Group A63B 57/207 is impacted by reclassification into group A63B 57/353.

Groups A63B 57/207 and A63B 57/353 should be considered in order to perform a complete search.

57/30  { Markers }

**WARNING**

Groups A63B 57/30 and A63B 57/35 are incomplete pending reclassification of documents from group A63B 57/00.

Group A63B 57/00 should be considered in order to perform a complete search.

57/35  { With magnets }
Rackets, bats, or other accessories for ball games

57/353 . . {Golf ball position markers}

**WARNING**

Group A63B 57/353 is impacted by reclassification into group A63B 57/207.

Groups A63B 57/353 and A63B 57/207 should be considered in order to perform a complete search.

57/357 . . { for golf cups or holes, e.g. flags }

**WARNING**

Group A63B 57/357 is impacted by reclassification into group(s) A63B 57/40.

Groups A63B 57/357 and A63B 57/40 should be considered in order to perform a complete search.

57/40 . . Golf cups or holes

**WARNING**

Group A63B 57/40 is impacted by reclassification into group A63B 57/357.

Groups A63B 57/40 and A63B 57/357 should be considered in order to perform a complete search.

57/405 . . { Cups with automatic ball ejector means }

57/50 . . specially adapted for course maintenance

57/505 . . { Hole information stands, e.g. tee-boxes }

57/60 . . Cleaning or maintenance of golf clubs, putters, shoes or other golf accessories ( { cleaning balls A63B 47/04; } devices for cleaning handles or grips of golf clubs or putters A63B 60/36 )

2057/605 . . { Means for heating or drying golf clubs }

59/00 Bats, rackets or the like, not covered by groups A63B 49/00 - A63B 57/00 [{details A63B 60/00}]

**NOTES**

1. In this group, the following term is used with the meaning indicated:
   • “ball” covers also pucks or other objects to be hit during the game.

2. When classifying in group A63B 59/00 and subgroups, subject matter related to details or accessories of golf clubs, putters, shoes, rackets or the like are further classified in group A63B 60/00.

**WARNING**


All groups listed in this Warning should be considered in order to perform a complete search.

59/20 . . having means, e.g. pockets, netting or adhesive type surfaces, for catching or holding a ball, e.g. for lacrosse or pelota

**WARNING**

Group A63B 59/20 is impacted by reclassification into group(s) A63B 60/00, A63B 60/46.

All groups listed in this Warning should be considered in order to perform a complete search.

59/30 . . forming hand-held throwing or catching aids for use with rings, discs, wheels or cylindrical throwing-bodies, or for use with balls having a central bore

59/40 . . Rackets or the like with flat striking surfaces for hitting a ball in the air, e.g. for table tennis

**WARNING**

Group A63B 59/40 is impacted by reclassification into groups A63B 59/42, A63B 59/45, A63B 60/00, A63B 60/46, and A63B 2102/16.

All groups listed in this Warning should be considered in order to perform a complete search.

59/42 . . with solid surfaces

59/45 . . . Rubber parts thereof; characterised by bonding between a rubber part and the racket body

59/48 . . . with perforated surfaces

59/50 . . Substantially rod-shaped bats for hitting a ball in the air, e.g. for baseball

**WARNING**


All groups listed in this Warning should be considered in order to perform a complete search.

59/51 . . made of metal

59/52 . . made of wood or bamboo

59/54 . . made of plastic

59/55 . . with non-circular cross-section

59/56 . . characterised by the head

59/58 . . characterised by the shape ( A63B 59/55, A63B 59/56 take precedence )

2059/581 . . { with a continuously tapered barrel }

59/59 . . sound generators, e.g. with internal movable members theretofor
Rackets, bats, or other accessories for ball games

59/60 . of mallet type, e.g. for croquet { or polo } 60/04 . Movable ballast means ((A63B 15/005 takes precedence))

WARNING
Group A63B 59/60 is impacted by reclassification into groups A63B 60/00, A63B 60/46, A63B 2102/24, and A63B 2102/36. All groups listed in this Warning should be considered in order to perform a complete search.

59/70 . with bent or angled lower parts for hitting a ball on the ground, on an ice-covered surface, or in the air, e.g. for hockey or hurling 60/06 . Handles { (structurally associated with frames of stringed rackets A63B 49/08) }

WARNING
Group A63B 59/70 is impacted by reclassification into groups A63B 60/00, A63B 60/46, A63B 2102/24, and A63B 2102/22. All groups listed in this Warning should be considered in order to perform a complete search.

59/80 . Circular bats or paddles not provided for in groups A63B 59/20 - A63B 59/70 60/08 . characterised by the material

WARNING
Group A63B 59/80 is impacted by reclassification into groups A63B 60/00, and A63B 60/46. All groups listed in this Warning should be considered in order to perform a complete search.

60/00 Details or accessories of golf clubs, bats, rackets or the like

WARNING
Group A63B 60/00 is incomplete pending reclassification of documents from groups A63B 49/00 - A63B 49/14, A63B 53/00 - A63B 53/14, A63B 59/00, A63B 59/20, A63B 59/40 and A63B 59/60 - A63B 59/80. Groups A63B 59/00, A63B 59/20, A63B 59/40 and A63B 59/60 - A63B 59/80 should also be considered in order to perform a complete search.

2060/002 . { Resonance frequency related characteristics }

2060/004 . { striking surfaces coated with high-friction abrasive material }

2060/006 . { having special surfaces reducing air resistance }

2060/0081 . { Substantially flexible shafts, hinged shafts }

2060/0085 . { Telescopic shafts }

60/02 . Ballast means for adjusting the centre of mass (A63B 60/24, A63B 60/54 take precedence)

WARNING
Group A63B 60/02 is incomplete pending reclassification of documents from group A63B 60/42 and A63B 2053/0491. All groups listed in this Warning should be considered in order to perform a complete search.

60/04 . Movable ballast means ((A63B 15/005 takes precedence))

WARNING
Group A63B 60/04 is incomplete pending reclassification of documents from group A63B 15/005. Groups A63B 15/005 and A63B 60/04 should be considered in order to perform a complete search.

60/06 . Handles { (structurally associated with frames of stringed rackets A63B 49/08) }

WARNING
Group A63B 60/06 is impacted by reclassification into groups A63B 60/08 and A63B 60/10. All groups listed in this Warning should be considered in order to perform a complete search.

60/08 . . characterised by the material

60/10 . . with means for indicating correct holding positions (A63B 60/12 takes precedence)

60/12 . . contoured according to the anatomy of the user's hand

WARNING
Group A63B 60/12 is impacted by reclassification into groups A63B 60/08 and A63B 60/10. All groups listed in this Warning should be considered in order to perform a complete search.

60/14 . . Coverings specially adapted for handles, e.g. sleeves or ribbons

60/16 . . Caps; Ferrules

60/18 . . with means for cooling, ventilating or sweat-reduction, e.g. holes or powder dispensers

60/20 . . with two handgrips

60/22 . . Adjustable handles

60/24 . . Weighted handles

60/26 . . with adjustable stiffness

60/28 . . with adjustable length

60/30 . . with adjustable circumference

60/32 . . with means for changing the angular position of the handle about its longitudinal axis

60/34 . . with the handle axis different from the main axis of the implement

60/36 . . Devices for cleaning handles or grips

60/38 . . Structurally associated means for storing and dispensing balls

60/40 . . having holding means provided inside, on the edge or on the rear face of the striking surface
Rackets, bats, or other accessories for ball games

60/42 Devices for measuring, verifying, correcting or customising the inherent characteristics of golf clubs, bats, rackets or the like, e.g. measuring the maximum torque a batting shaft can withstand

**WARNING**

- Group A63B 60/42 is impacted by reclassification into group A63B 60/02.
- Groups A63B 60/42 and A63B 60/02 should be considered in order to perform a complete search.

60/44 Presses for stringed rackets
60/46 Measurement devices associated with golf clubs, bats, rackets or the like for measuring physical parameters relating to sporting activity, e.g. baseball bats with impact indicators or bracelets for measuring the golf swing

**WARNING**

- Group A63B 60/46 is incomplete pending reclassification of documents from groups A63B 49/00 - A63B 49/14, A63B 53/00 - A63B 53/14, A63B 59/20, A63B 59/40 and A63B 59/60 - A63B 59/80.
- Groups A63B 49/00 - A63B 49/14, A63B 53/00 - A63B 53/14, A63B 59/20, A63B 59/40 and A63B 59/60 - A63B 59/80 should be considered in order to perform a complete search.

60/48 with corrugated cross-section
60/50 with through-holes (A63B 60/18 takes precedence; for stringing purposes A63B 49/00)
60/52 with slits
60/54 with means for damping vibrations
60/56 Devices for protection, storage or transport, e.g. stands or cases

**WARNING**

- Group A63B 60/56 is incomplete pending reclassification of documents from group A63B 71/0036.
- Groups A63B 71/0036 and A63B 60/56 should be considered in order to perform a complete search.

60/58 specially adapted for rackets
60/60 specially adapted for bats

**WARNING**

- Group A63B 60/60 is incomplete pending reclassification of documents from groups A63B 55/00 and A63B 71/0045.
- All groups listed in this Warning should be considered in order to perform a complete search.

60/62 specially adapted for clubs, e.g. head covers (connector means therefor)

60/64 Sheaths for golf clubs

**WARNING**

Group A63B 60/64 is incomplete pending reclassification of documents from group A63B 55/00.

Groups A63B 55/00 and A63B 60/64 should be considered in order to perform a complete search.

61/00 Tennis nets or accessories for tennis or like games

- {e.g. volley-ball (devices for holding or carrying balls A63B 47/00; for table tennis A63B 67/04)}

61/003 Nets for tennis or like games or accessories therefor (straining or adjusting devices on the posts A63B 61/02)

61/006 Accessories for training purposes mounted on the net

61/02 Posts; Revolvably-mounted posts; Straining or adjusting devices on the posts, e.g. coin- or time operated

- {electrically driven}

61/04 Straining or adjusting devices for nets {e.g. centre strainers, single-double adjusters, net height meters (straining or adjusting devices on the posts A63B 61/02)}

63/00 Targets or goals for ball games (golf cups A63B 57/40)

- {Targets or goals with ball-returning means}

2063/001 variable in size
2063/002 {non-electronic means for locating the point of impact on a target or the point of entry in the goal}
2063/003 Goals of the type used for football, handball, hockey or the like
2063/004 having means not protruding from the profile of the post for attachment of a net
2063/005 {forming a target or goal by fixing net or target area to garage doorway or garage parts}
2063/006 Target zones without opening defined on a substantially horizontal surface
2063/007 Goals for rugby or American football
2063/008 Revolving targets; Moving targets, e.g. moving or revolving on impact

- {movable or switchable between discrete positions, e.g. after a successful shot}
2063/065 with substantially horizontal opening for ball, e.g. for basketball ((A63B 57/40, A63B 63/06 take precedence))
2063/083 for basketball
2063/086 deflectable under excessive loads

65/00 Implements for throwing (throwing toys A63H 33/18) {Mechanical projectors, e.g. using spring force}

- Spears or the like (Javelins)
65/02 Throwing-hammers
65/04 Heavy throwing-balls {i.e. medicine balls, shots, weights or stones for putting}
65/06 Boomerangs (Throwing apparatus therefor)
65/08 Discus discs; Quoits
65/10 Ball-throwing apparatus with or without catchers (hand-held throwing or catching aids A63B 59/20; Mechanical projectors, e.g. using spring force)
65/12 Hand-held mechanical projectors, e.g. for balls
Rackets, bats, or other accessories for ball games

67/00 Sporting games or accessories therefor, not provided for in groups A63B 1/00 - A63B 65/00

67/01 Games using balls, not otherwise provided for

67/02 Games similar to volleyball or basketball and played on trampolines or the like, e.g. "Spaceball" or "Aeroball"

67/03 Field hockey, e.g. with a ball having the shape of a flattened tennis ball or a ball having a flattened bottom, not provided for in group A63B 1/00

67/04 Table games physically beneficial for the human body, modelled on outdoor sports, e.g. table tennis (other table games A63F)

67/05 Supports for table tennis nets

67/06 Ring or disc tossing games, e.g. quoits; Throwing or tossing games, e.g. using balls; Games for manually rolling balls, e.g. marbles

67/07 (played in water)

67/08 Juggling or spinning ball games played as games of skill (A63B 67/16 takes precedence)

WARNING

Group A63B 67/08 is impacted by reclassification into groups A63B 67/16 and A63B 67/165.

Groups A63B 67/08, A63B 67/16, and A63B 67/165 should be considered in order to perform a complete search.

67/09 . . . (used tossed devices of different sizes giving different degrees of difficulty for fitting in or over a target)

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 A63B 7/00) ; Games using tethered bodies, e.g. balls, not otherwise provided for

67/11 Flip games, i.e. games using playing bodies being flipped or twirled up in the air, e.g. for hitting them with a bat; Games of tip-cat

67/12 Curling stone; Shuffleboard; Similar sliding games

67/13 . . . (with braking means)

67/14 . . . (variable)

67/15 . . . (stones with rolling elements)

67/16 Diabolos or similar thrown and caught spinning tops; Throwing and catching devices therefor

WARNING


Group A63B 67/165 is also impacted by reclassification into group A63B 67/165.

All groups listed in this Warning should be considered in order to perform a complete search.

67/175 . . . (the diabolo being able to rotate freely in one direction only, e.g. fitted with an over-running clutch)

WARNING


All groups listed in this Warning should be considered in order to perform a complete search.

67/18 . . . Badminton or similar games with feathered missiles

67/183 . . . Feathered missiles

67/187 . . . Shuttlecocks

67/19 . . . with several feathers connected to each other

67/193 . . . with all feathers made in one piece

CPC - 2020.05
Games using a bat (or racket) with a ball (or other body) tethered thereto

the bat having one or more spigots for catching bodies having a bore, e.g. rings

the bat (or racket) having one or more holes (or pockets) therein, e.g. for catching or collecting the ball; the bat comprising a ring or cup having a handle

Training appliances or apparatus for special sports (training of parachutists B64D 23/000)

[for baseball]

specially adapted for particular training aspects

[for pitching]

[for batting]

[for catching]

[Baseball bases]

[for cricket]

[for badminton]

[for football (American-football dummies A63B 69/345)]

[for skating]

[for hockey]

[for ice-hockey]

[for running, jogging or speed-walking (movable endless bands A63B 22/02)]

[Speed-walking]

[Nordic walking, i.e. using poles for walking]

(on the spot)

[safety devices, e.g. warning bells, rear-view mirrors]

[for the martial arts, e.g. karate, judo (A63B 69/20, A63B 69/34 (take precedence)]

[Breaking boards or holders therefore, i.e. devices for destroying exercises]

[Fake or disarmed practise weapons, i.e. for mimicking combat situations]

[for bowling]

[for mountaineering, e.g. climbing-walls, grip elements for climbing-walls]

[not used, see subgroups and A63B 69/00]

[Apparatus generating random stimulus signals for reaction-time training involving a substantial physical effort (testing reaction time A61B 5/162; reaction-time games A63F 9/0090)]

[with means for distracting the user, e.g. visual or audio means]

[Means for physically limiting movements of body parts (A63B 23/0211 takes precedence)]

[worn by the user]

[Leg restraining devices]

[Attachments on the trainee preventing falling]

[for wind-surfing]

[for bull-fighting, or animal-roping]

[for basketball]

[Means for releasably holding a ball in position; Balls constrained to move around a fixed point, e.g. by tethering]

[Means for releasably holding a ball in position prior to kicking, striking or the like (golf tees A63B 57/10)]

[Suspending a ball on an upright stream of air or water]

[Balls tethered to a line or cord (A63B 43/007 takes precedence; other games using tethered balls A63B 67/10; games using a bat or racket with a ball tethered thereto A63B 67/20)]

[with movement of the cord-attachment along its rotational axis as a function of the number of revolutions, e.g. following a helicalmember]

[the line or cord being fixed to at least two points]

[the line or cord being attached to the user (A63B 21/0608 takes precedence; punching balls attached to the user A63B 69/26)]

[the line or cord having a handle]

[Balls fixed to a movable, tiltable or flexible arm]

(for surfing, i.e. without a sail; for skate or snow boarding)

WARNING

Group A63B 69/0093 is incomplete pending reclassification of documents from groups B63B 32/00, B63B 32/20, B63B 34/70 and B63B 35/00.

All groups listed in this Warning should be considered in order to perform a complete search.

[for volley-ball]

[Ball rebound walls (with holes or in combination with nets A63B 63/00)]

[fencing, i.e. means for indicating hits (fencing foils, sabres or epees F41B 13/02)]

[with conductive floor used as part of the detection circuit]

[simulating the movement of horses (toy animals for riding A63G 19/00)]

[for rowing or sculling]

[by pulling on a cable]

[pivoting handlebars]

[handlebars rotating about a horizontal axis]

[kayaking, canoeing]

[with water-filled pools]

[Swimming instruction apparatus for use without water]

[Arrangements in swimming pools for teaching swimming [or for training]

[Devices for generating a current of water in swimming pools]

[Teaching frames for swimming [Swimming boards (life-buoys, life-belts B63C 9/08)]

[for cycling, i.e. arrangements on or for real bicycles (home-trainers A63B 23/0476)]

[supports for the front of the bicycle]

[for front fork or handlebar]

[supports for the rear of the bicycle, e.g. for the rear forks]

[rear wheel hub supports]

[supports for the central frame of the bicycle, e.g. for the crank axle housing, seat tube or horizontal tube]

[on rollers without further support]
Rackets, bats, or other accessories for ball games

2069/168 . . . [Force transfer through the rim of the wheel]
2069/169 . . . for skiing
2069/185 . . . [for ski-jumping]
2069/187 . . . [for water-skiing]
2069/201 . . . [Hanging heavy punching bags]
2069/203 . . . [Punching bags, i.e. designed to be hit at resonant frequency]
2069/205 . . . [hanging downwards]
2069/206 . . . [mounted by using attachments at opposite points]
2069/208 . . . [mounted on a resilient foot]
2069/24 . . . mounted on, or suspended from, a movable support [not used, see subgroup]
2069/26 . . . attached to the human body
2069/32 . . . with indicating devices
2069/34 . . . [Dummies, e.g.] boxing or [American-] football dummies
2069/36 . . . [American-] football, rugby, wrestling dummies, e.g. for tackling, blocking
2069/3602 . . . [Player's game information devices]
2069/3605 . . . [Golf club selection aids informing player of his average or expected shot distance for each club]
2069/3608 . . . [Attachments on the body, e.g. for measuring, aligning, restraining (A63B 69/0059, A63B 69/3673 take precedence)]
2069/3611 . . . [not used, see A63B 69/36 and subgroups]
2069/3614 . . . [using electro-magnetic, magnetic or ultrasonic radiation emitted, reflected or interrupted by the golf club]
2069/3617 . . . [Striking surfaces with impact indicating means, e.g. markers]
2069/362 . . . [electrical or electronic]
2069/3623 . . . [for driving (A63B 69/3608, A63B 69/3658, A63B 69/3661, A63B 69/3667 and A63B 69/3691 take precedence)]
2069/3626 . . . [Details]
2069/3629 . . . [Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax]
2069/3632 . . . [Clubs or attachments on clubs, e.g. for measuring, aligning (A63B 69/3614 takes precedence; clubs for swinging exercises in general A63B 15/00)]
2069/3635 . . . [with sound-emitting source]
2069/3638 . . . [Normal golf clubs with directly attached weights]
2069/3641 . . . [with guides for guiding the swing]
2069/3644 . . . [Mechanical guide guiding the club head during the complete swing, e.g. rails]
2069/3647 . . . [with a flexible member fixed on the club and rotating around a fixed supporting point]
2069/365 . . . [with arm or rod fixed on the club and rotating around a fixed supporting point]
2069/3652 . . . [Inclined platforms for practising drives from slopes]
69/3655 . . . [Balls, ball substitutes, or attachments on balls therefor]
69/3658 . . . [Means associated with the ball for indicating or measuring, e.g. speed, direction]
69/3661 . . . [Mats for golf practice, e.g. mats having a simulated turf, a practice tee or a green area]
2069/3664 . . . [with bristles, the length of which can be adjusted]
69/3667 . . . [Golf stance aids, e.g. means for positioning a golfer's feet]
2069/367 . . . [Detection of balance between both feet, i.e. weight distribution]
69/3673 . . . [Foot inclining aids; Foot wobbling devices]
69/3676 . . . [for putting (A63B 69/3608, A63B 69/3661, A63B 69/3667 and A63B 69/3697 take precedence)]
2069/3679 . . . [Details]
2069/3682 . . . [Visual means not attached to the body for positioning the trainee's head or for detecting head movement, e.g. by parallax]
69/3685 . . . [Putters or attachments on putters, e.g. for measuring, aligning (A63B 69/3614 takes precedence)]
69/3688 . . . [Balls, ball substitutes, or attachments on balls therefor]
69/3691 . . . [Golf courses; Golf practising terrains having a plurality of driving areas, fairways, greens (special golf games, e.g. miniature golf, A63B 69/3695); mats for simulating golf greens A63B 69/3661]
69/3694 . . . [for driving only]
69/3697 . . . [with putting taking place on a green other than the target green]
69/38 . . . for tennis ([A63B 61/006, A63B 69/0073 and A63B 69/0097 take precedence])
69/385 . . . [for practising the serve]
69/40 . . . Stationarily-arranged devices for projecting balls (or other bodies) ([golf cups with ball ejector means A63B 57/405] , traps for clay-pigeon targets F41J 9/18)
2069/401 . . . [substantially vertically, e.g. for baseball]
2069/402 . . . [giving spin]
2069/403 . . . [back or reverse spin]
2069/404 . . . [side spin]
2069/405 . . . [top spin]
69/406 . . . [with rotating discs, wheels or pulleys gripping and propelling the balls or bodies by friction]
69/407 . . . [with spring-loaded propelling means]
69/408 . . . [with rotating propelling arm]
69/409 . . . [with pneumatic ball- or body-propelling means]
71/00 Games or sports accessories not covered in groups A63B 1/00 - A63B 69/00 (starting appliances A63K 3/02)
71/0009 . . . [for handicapped persons]
2071/0018 . . . [for wheelchair users]
2071/0027 . . . [visually handicapped]
Rackets, bats, or other accessories for ball games

WARNING

Group A63B 71/0036 is impacted by reclassification into group A63B 60/56.

Group A63B 71/0036 and A63B 60/56 should be considered in order to perform a complete search.

71/0036 . . . [Accessories for stowing, putting away or transporting exercise apparatus or sports equipment (A63B 47/00, A63B 55/00, A63B 60/56 take precedence)]

WARNING

Group A63B 71/0045 is impacted by reclassification into group A63B 60/60.

Groups A63B 71/0045 and A63B 60/60 should be considered in order to perform a complete search.

71/0045 . . . [specially adapted for games played with rackets or bats (A63B 60/56 takes precedence)]

WARNING

Group A63B 71/0054 is impacted by reclassification into group A63B 60/60.

Groups A63B 71/0054 and A63B 60/60 should be considered in order to perform a complete search.

71/0054 . . . [Features for injury prevention on an apparatus, e.g. shock absorbers (mats or the like for absorbing shocks for jumping (A63B 60/00)]

2071/0063 . . . [Shock absorbers]

2071/0072 . . . [Limiting the applied force, torque, movement or speed]

2071/0081 . . . [Stopping the operation of the apparatus]

2071/009 . . . [Protective housings covering the working parts of the apparatus]

71/02 . . . for large-room or outdoor sporting games

71/021 . . . [Stays or guy-rope (for masts E04H 12/20, for tents E04H 15/34)]

71/022 . . . [Backstops, cages, enclosures or the like, e.g. for spectator protection, for arresting balls]

71/023 . . . [Supports, e.g. poles]

2071/024 . . . [with screws or pins in the earth]

2071/025 . . . [on rollers or wheels]

2071/026 . . . [stabilised by weight]

2071/027 . . . [using player's own weight, e.g. on a platform]

71/028 . . . [Floor sockets for removable poles (sockets for poles in general E04H 12/22)]

71/04 . . . for small-room or indoor sporting games

71/06 . . . Indicating or scoring devices for games or players [. or for other sports activities]

2071/0602 . . . [Non-electronic means therefor]

2071/0605 . . . [Decision makers and devices using detection means facilitating arbitration]

2071/0608 . . . [using mechanical, i.e. non-electrical means]

2071/0611 . . . [Automatic tennis linesmen, i.e. in-out detectors]

2071/0613 . . . [Automatic net-fault detectors]

2071/0616 . . . [Means for conducting or scheduling competition, league, tournaments or rankings]

2071/0619 . . . [Displays, user interfaces and indicating devices, specially adapted for sport equipment, e.g. display mounted on treadmills]

2071/0622 . . . [Visual, audio or audio-visual systems for entertaining, instructing or motivating the user]

2071/0625 . . . [Emitting sound, noise or music]

2071/0627 . . . [when used improperly, e.g. by giving a warning]

2071/063 . . . [Spoken or verbal instructions]

2071/0633 . . . . . . . . . [without electronic means]

2071/0636 . . . . . . . . . [3D visualisation]

2071/0638 . . . . . . . . . [Displaying moving images of recorded environment, e.g. virtual environment]

2071/0641 . . . . . . . . . [with a marker advancing in function of the exercise]

2071/0644 . . . . . . . . . [with display speed of moving landscape controlled by the user's performance]

2071/0647 . . . . . . . . . [Visualisation of executed movements]

2071/065 . . . . . . . . . [Visualisation of specific exercise parameters]

2071/0652 . . . . . . . . . [Visualisation or indication relating to symmetrical exercise, e.g. right-left performance related to spinal column]

2071/0655 . . . . . . . . . [Tactile feedback]

2071/0658 . . . . . . . . . [Position or arrangement of display]

2071/0661 . . . . . . . . . [arranged on the user]

2071/0663 . . . . . . . . . [worn on the wrist, e.g. wrist bands]

2071/0666 . . . . . . . . . [worn on the head or face, e.g. combined with goggles or glasses]

71/0669 . . . . . . . . . [Score-keepers or score display devices]

71/0672 . . . . . . . . . [using non-electronic means]

2071/0675 . . . . . . . . . [Input for modifying training controls during workout]

2071/0677 . . . . . . . . . [Input by image recognition, e.g. video signals]

2071/068 . . . . . . . . . [Input by voice recognition]

2071/0683 . . . . . . . . . [Input by handheld remote control]

2071/0686 . . . . . . . . . [Timers, rhythm indicators or pacing apparatus using electric or electronic means]

2071/0688 . . . . . . . . . [using non-electronic means, e.g. mechanical, visual, acoustic or tactile means]

2071/0691 . . . . . . . . . [Maps, e.g. yardage maps or electronic maps]

2071/0694 . . . . . . . . . [Visual indication, e.g. Indicia]

71/0697 . . . . . . . . . [Reservation devices]

71/08 . . . Body-protectors for players or sportsmen, [i.e. body-protecting accessories affording protection of body parts against blows or collisions] (protective clothing or garments for sports purposes A41D 13/00)

71/081 . . . [fluid-filled, e.g. air-filled]

2071/083 . . . [using bubble wrap]

2071/085 . . . [Mouth or teeth protectors (A63B 71/081 takes precedence; protective face masks A41D 13/00)]

2071/086 . . . [Mouth inserted protectors with breathing holes]

2071/088 . . . [Mouth inserted protectors with tether or strap]

71/10 . . . for the head ([A63B 71/081 takes precedence]; in the form of caps or hats A42B 1/08; helmets A42B 3/00]

2071/105 . . . [Fencing mask]

71/12 . . . for the body, [e.g. shoulders], or the legs ([A63B 71/081 takes precedence])

2071/1208 . . . . . . . . . [for the breast and the abdomen, e.g. breast plates]

71/1216 . . . . . . . . . [for the genital area]

71/1225 . . . . . . . . . [for the legs, e.g. thighs, knees, ankles, feet (bandages, e.g. orthosis-like supports or braces A61F 5/0102; for strengthening joints A61F 13/06)]

2071/1233 . . . . . . . . . [for the hip]

2071/1241 . . . . . . . . . [for the thigh]

2071/125 . . . . . . . . . [for the knee]

2071/1258 . . . . . . . . . [for the shin, e.g. shin guards]
Rackets, bats, or other accessories for ball games

A63B

2071/1266 . . . . [for the calf]
2071/1275 . . . . [for the ankle]
2071/1283 . . . . [for the foot]
71/1291 . . . . [for the neck (as a part of a helmet A42B)]
71/14 . . . . for the hands, e.g. baseball, boxing or golfing gloves (archer’s finger tabs F41B 5/1473)
71/141 . . . . [for the calf]
71/143 . . . . [for the ankle]
71/145 . . . . [for the foot]
71/146 . . . . [for the neck (as a part of a helmet A42B)]
71/148 . . . . [for the hands, e.g. baseball, boxing or golfing gloves (archer’s finger tabs F41B 5/1473)]

2071/1291 . . . . [for the ankle]
71/1292 . . . . [for the neck (as a part of a helmet A42B)]
71/14 . . . . for the hands, e.g. baseball, boxing or golfing gloves (archer’s finger tabs F41B 5/1473)
71/141 . . . . [for the calf]
71/143 . . . . [for the ankle]
71/145 . . . . [for the foot]
71/146 . . . . [for the neck (as a part of a helmet A42B)]
71/148 . . . . [for the hands, e.g. baseball, boxing or golfing gloves (archer’s finger tabs F41B 5/1473)]

2102/00 Application of clubs, bats, rackets or the like to the sporting activity {; particular sports involving the use of balls and clubs, bats, rackets, or the like}

NOTE
A63B 2102/00 corresponds to IPC A63B 102/00. A63B 2102/00 is an indexing scheme for all applicable areas of A63B.

WARNING
Group A63B 2102/00 is incomplete pending reclassification of documents from groups A63B 49/00, A63B 59/00, and A63B 2243/00.
Groups A63B 49/00, A63B 59/00, A63B 2243/00 and A63B 2102/00 should be considered in order to perform a complete search.

2102/02 . . . . Tennis
2102/04 . . . . Badminton
2102/06 . . . . Squash
2102/065 . . . . [Racketball]
2102/08 . . . . Paddle tennis, padel tennis or platform tennis
2102/10 . . . . Battledore

WARNING
Group A63B 2102/10 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00 and A63B 59/00 should be considered in order to perform a complete search.

2102/12 . . . . Hanetsuki

WARNING
Group A63B 2102/12 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00 and A63B 59/00 should be considered in order to perform a complete search.

2102/14 . . . . Lacrosse
2102/16 . . . . Table tennis

2102/18 . . . . Baseball, rounders or similar games

WARNING
All groups listed in this Warning should be considered in order to perform a complete search.

2102/182 . . . . [Softball]
2102/184 . . . . [Rounders]
2102/20 . . . . Cricket
2102/22 . . . . [Field] hockey
2102/24 . . . . Ice hockey
2102/26 . . . . Hurling

WARNING
Group A63B 2102/26 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00, A63B 59/00, and A63B 2102/26 should be considered in order to perform a complete search.

2102/28 . . . . Bandy

WARNING
Group A63B 2102/28 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00, A63B 59/00, and A63B 2102/28 should be considered in order to perform a complete search.

2102/30 . . . . Floorball

WARNING
Group A63B 2102/30 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00, A63B 59/00, and A63B 2102/30 should be considered in order to perform a complete search.

2102/32 . . . . Golf
2102/34 . . . . Polo
2102/36 . . . . Croquet
2102/38 . . . . Gateball

WARNING
Group A63B 2102/38 is incomplete pending reclassification of documents from groups A63B 49/00 and A63B 59/00.
Groups A63B 49/00, A63B 59/00 should be considered in order to perform a complete search.

2207/00 Exercising or sporting devices provided with means enabling use in the dark
2207/02 . . . . Powered illuminating means
Characteristics or parameters related to the user or player (measuring physical characteristics of the user A63B 2230/00)

- posture
- Standing on the feet
- on a single foot
- Kneeling
- on hands and knees
- Squatting
- Sitting on the buttocks
- in 90/90 position, like on a chair
- with stretched legs, like on a bed
- Lying down
- with legs in a kneeled 90/90 position
- supine
- prone
- using trunk supports resisting forward motion of user
- on the side
- Standing on the shoulders or the neck
- Standing on the head
- Standing on the hands
- Hanging
- upright
- on hands and feet (for push-ups A63B 23/1236)
- the user being in water
- the user being at least partly surrounded by a pressure different from the atmospheric pressure
- higher pressure
- lower pressure
- specially adapted for children
- specially adapted for animals

Characteristics of used materials

- with reinforcing fibres, e.g. carbon, polyamide fibres
- Long, oriented fibres, e.g. wound filaments, woven fabrics, mats
- Ratio fibres-total material
- magnetic
- with adhesive type surfaces, i.e. hook and loop-type fastener
- with form or shape memory materials

Space saving

- incorporated in chairs
- incorporated in beds, sofas
- incorporated in cabinets
- specially constructed to fit in the corner of a room
- Size reducing arrangements for stowing or transport
- Frame members linked by elastic means when disassembled
- Foldable elastic frame members automatically resuming their expanded state when released
- electrically folded and erected
- slideably retracted in a housing when not in use

Exercising combined with therapy

- with radiation therapy
- Infra-red
- Ultra-violet
- with electrotherapy
- with respiratory gas delivering means, e.g. \(O_2\)

NOTE

When classifying in this group, the purpose of the measurement takes precedence over the measuring method or device

- Image processing for measuring physical parameters
- Positions
- Absolute positions, e.g. by using GPS
- Relative positions
- Geo-tagging, e.g. for correlating route or track location data with specific information related to that specific location
- Angular positions
- Counting, e.g. counting periodical movements, revolutions or cycles, or including further data processing to determine distances or speed
- Inclination, slope or curvature
- Distances or displacements
- Stride length
- Angular displacement
- Speed
- Relative speed
- Angular speed
- Spin
- Speed measurement by electric or magnetic parameters
- Acceleration
- Angular acceleration
- Force related parameters
- Force
- Weight, e.g. weight distribution
- Force of an impact, e.g. blow or punch
- Torque
- Pressure
- Measurement of force related parameters by electric or magnetic means
- Time or time measurement used for time reference, time stamp, master time or clock signal
- Frequency, e.g. of vibration oscillation
- Measuring or simulating ambient conditions, e.g. weather, terrain or surface conditions
- Temperature
- Altitude
- Atmospheric pressure
- Humidity
- Wind conditions
- Surface covering conditions, e.g. of a road surface
- Special sensors, transducers or devices therefor
- Contact switches
- Ultra-sound sensors
- Motion sensors
- Optical or opto-electronic sensors
- Video cameras
- Photo cameras
- Microphones
2225/00 Other characteristics of sports equipment
2225/01 Special aerodynamic features, e.g. airfoil shapes, wings or air passages
2225/02 Testing, calibrating or measuring of equipment
2225/03 with suction cups
2225/04 for fixing
2225/05 with writing point
2225/06 Adjustable dimensions
2225/07 Height
2225/08 automatically adjusted according to anthropometric data of the user
2225/10 Multi-station exercising machines
2225/12 with mirrors
2225/13 with identification means that can be read by electronic means
2225/20 with means for remote communication, e.g. internet or the like
2225/30 Maintenance
2225/32 Remote servicing
2225/35 Wireless data transmission, e.g. by radio transmitters or telemetry
2225/40 modulated by measured values
2225/42 Transponders, e.g. RFID
2225/60 Apparatus used in water
2225/61 Floating
2225/62 Inflatable
2225/63 Heated
2225/64 Cooled
2225/65 Apparatus or equipment provided with article holders, e.g. keys, wallets, books
2225/66 for beverages
2225/67 for electronic devices, e.g. phone, PDA, GPS device, notebook
2225/68 for others, e.g. keys, wallets, books
2225/69 Coin-operated
2225/70 Means preventing unauthorised use, e.g. by lowering a tennis net

2230/00 Measuring physiological parameters of the user
2230/01 User's weight
2230/02 heartbeat characteristics, e.g. E.G.C., blood pressure modulations
2230/04 used as a control parameter for the apparatus
2230/05 heart rate only
2230/06 within a certain range
2230/07 used as a control parameter for the apparatus
2230/08 other bio-electrical signals
2230/09 used as a control parameter for the apparatus
2230/10 electroencephalographic signals
2230/11 used as a control parameter for the apparatus
2230/12 blood composition characteristics

2230/20 used as a control parameter for the apparatus
2230/21 glucose
2230/22 P-CO2, i.e. partial CO2 value
2230/23 P-O2, i.e. partial O2 value
2230/24 blood pressure (A63B 2230/04 takes precedence)
2230/25 used as a control parameter for the apparatus
2230/26 (A63B 2230/045 takes precedence)
2230/27 used as a control parameter for the apparatus
2230/28 respiratory characteristics
2230/29 used as a control parameter for the apparatus
2230/30 rate
2230/31 Composition of exhaled air
2230/32 used as a control parameter for the apparatus
2230/33 partial CO2 value
2230/34 used as a control parameter for the apparatus
2230/35 partial O2 value
2230/36 used as a control parameter for the apparatus
2230/37 temperature
2230/38 used as a control parameter for the apparatus
2230/39 muscle strain, i.e. measured on the user
2230/40 used as a control parameter for the apparatus
2230/41 posture
2230/42 used as a control parameter for the apparatus
2230/43 skin conductivity
2230/44 used as a control parameter for the apparatus
2230/45 body fat
2230/46 used as a control parameter for the apparatus
2230/47 calorie expenditure
2230/48 used as a control parameter for the apparatus

2243/00 Specific ball sports not provided for in
A63B 2102/00 - A63B 2102/38

WARNING

Group A63B 2243/00 is impacted by reclassification into group A63B 2102/00
Groups A63B 2243/00 and A63B 2102/00 should be considered in order to perform a complete search.

2243/002 Billiards
2243/0025 Football (American football A63B 2243/007)
2243/0033 Handball
2243/0037 Basketball
2243/0054 Bowling, i.e. ten-pin bowling
2243/0058 Bowls, crown green bowling
2243/0062 Petanque
2243/0066 Rugby; American football
2243/007 American football
2243/0095 Volleyball

2244/00 Sports without balls
2244/03 Skeet, clay pigeon shooting
2244/04 Bow shooting
2244/08 Jumping, vaulting
2244/081 High jumping
2244/082 Long jumping
2244/084 Triple jump
2244/085 Pole vaulting
2244/087 without take off run

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2244/088  . hurdle
2244/09  . Weight-lifting
2244/10  . Combat sports (Rugby, American football)
          [A63B 2243/0066]
2244/102 . Boxing
2244/104 . Judo
2244/106 . Karate
2244/108 . Wrestling
2244/12  . Acrobats
2244/14  . Shot putting
2244/15  . Discus throwing
2244/16  . Spear or javelin throwing
2244/17  . Hammer throwing
2244/18  . Skating
2244/183 . Artistic or figure skating
2244/186 . Roller skating
2244/19  . Skiing
2244/20  . Swimming
2244/203 . Diving
2244/206 . Artistic
2244/22  . Dancing
2244/225 . Pole dancing
2244/24  . Horse riding
2244/26  . Bob-sleigh