

Search history

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Search 2: 1 and ball (Results 4156)
Search 3: 2 and shaft (Results 303)
Search 4: 3 and anchor* (Results 41)
Search 5: 4 and grip* (Results 19)

Title: SPORTING GAME OF SOKKER GOLPH(TM)

Abstract: A sporting game in which a new **ball** called a skokker **ball** is kicked from a starting point toward a smooth containing a buc for the purpose of sinking the skokker **ball** into the buc in as few as strikes as possible and, if the skokker **ball** is not sunk into the buc when it is first kicked, then it is struck with a player's foot one or more additional times until the skokker **ball** is sunk into the buc. The direction of travel of the skokker **ball** is to the right when a counterclockwise spin is applied to the skokker **ball** at a point of contact with the player's foot, to the left when a clockwise spin is applied to the skokker **ball** at the point of contact, and straight when a top spin is applied to skokker **ball** at the point of contact. The game is played on a course having N holes each of which has a starting point, a rough and a smooth with a buc located in it. A player must use one foot to kick the skokker **ball** from the starting point and when not on the smooth and the player's other foot when striking the skokker **ball** on the smooth.

Classifications:

International (IPC 8-9): A63B43/00 A63B43/04 A63B67/00 A63H3/06 B23P11/00 (Advanced/Invention);

A63B43/00 A63B67/00 A63H3/00 B23P11/00 (Core/Invention)

CPC: A63B67/06 A63B2037/085 A63B37/0033 A63B37/0052

A63B37/0054 A63B37/0056 A63B37/0066 A63B37/0075 A63B37/008

A63B37/0097 A63B37/08 Y10T29/49826 A63B43/00 A63B41/00

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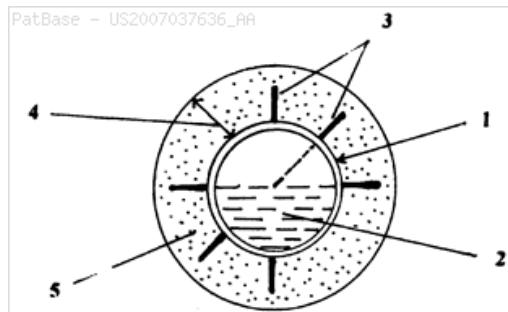
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A63B67/06 A63H33/18 K63B208/12 K63B243/00F K63B243/00G

K63B37/08 K63B37/08L K63B45/00 K63B67/00B

US: 29/428 446/220 473/415 473/415P 473/594 473/594P 473/594S

473/595 473/604

**Family:**

Publication number	Publication date	Application number	Application date
■ CN101607127 A	20091223	CN200810176682	20081120
■ US2007037636 AA	20070215	US20060478956	20060629
■ US2007037641 AA	20070215	US20060478955	20060629
■ US2009170639 AA	20090702	US20080291906	20081114
■ US2009318054 AA	20091224	US20080214904	20080620
■ US7520830 BB	20090421	US20060478955	20060629
■ US7780555 BB	20100824	US20080214904	20080620
■ US8002652 BB	20110823	US20080291906	20081114

Priority:

US20050707695P 20050811 US20060478955 20060629 US20060478956 20060629
US20080214904 20080620 US20080291906 20081114

Probable Assignee: AIRWARE INC

Assignee(s): (std): GAMELOT INC ; KINGMILLAIS CO LTD ; TSE CHI WAI ; WONG JACOB Y

Assignee(s): KINGMILLAIS CO ; AIRWARE INC

Inventor(s): (std): TSE CHI WAI ; WAI TSE CHI ; WONG JACOB Y

Inventor(s): WONG JACOB

Agent(s): ROY L ANDERSON ESQ LAW OFFICES OF ROY ANDERSON; ROY L ANDERSON ESQ WAGNER ANDERSON AND BRIGHT LLP; ANDERSON ROY L; WAGNER ANDERSON AND BRIGHT LLP; ROY L; WAGNER ANDERSON AND BRIGHT PC

Title: Wrist toy

Abstract: The present invention is directed to a new wrist toy. The wrist toy comprises a novel wrist band, elastic cord and **ball** construction. The wrist band of the present invention uniquely provides means for minimizing twisting and knotting of the elastic band located at the base of the palm of the user. The construction of the elastic cord and **ball** provides means for minimizing the degrading and wear contact of elastic cord with surfaces struck by the **ball**.

Classifications:

International (IPC 8-9): A63B43/00 A63B59/02 A63B67/10

A63B69/00 (Advanced/Invention);

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International (IPC 1-7): A63B43/00 A63H33/00

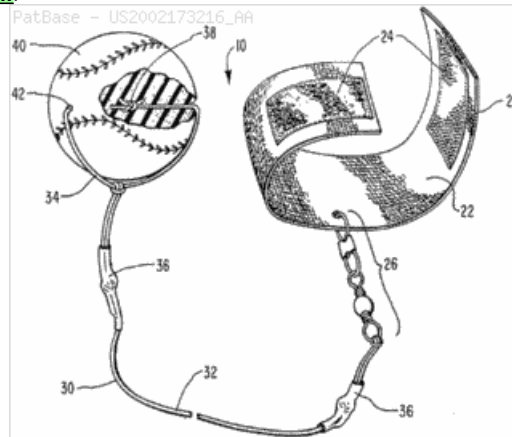
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A63B69/00T2C K63B209/10 K63B220/17 K63B220/40 K63B71/06D2A

US: 446/26 446/26P 473/508 473/508P 473/576 473/576P 473/576S



Family:

Publication number	Publication date	Application number	Application date
US2002173216 AA	20021121	US20020116838	20020405
US2004192156 AA	20040930	US20040772156	20040203
US2006111205 AA	20060525	US20050293595	20051202
US2008200289 AA	20080821	US20080107012	20080421
US6368241 BA	20020409	US19960699152	19960816
US6685582 BB	20040203	US20020116838	20020405
US6971963 BB	20051206	US20040772156	20040203
US7364518 BB	20080429	US20050293595	20051202
US7833115 BB	20101116	US20080107012	20080421

Priority:

US19960699152 19960816 US20020116838 20020405 US20040772156 20040203
US20050293595 20051202 US20080107012 20080421

Probable Assignee: TOY INVESTMENTS INC DBA TOYSMITH

Assignee(s): (std): ABEL JAMES ; ABEL JEFFREY T ; KETCH IT CO ; KETCH IT CORP

Assignee(s): PRIVATEBANK AND TRUST CO ; TOY INVESTMENTS INC DBA TOYSMITH

Inventor(s): (std): ABEL JAMES ; ABEL JEFFREY T

Inventor(s): ABEL JEFFREY

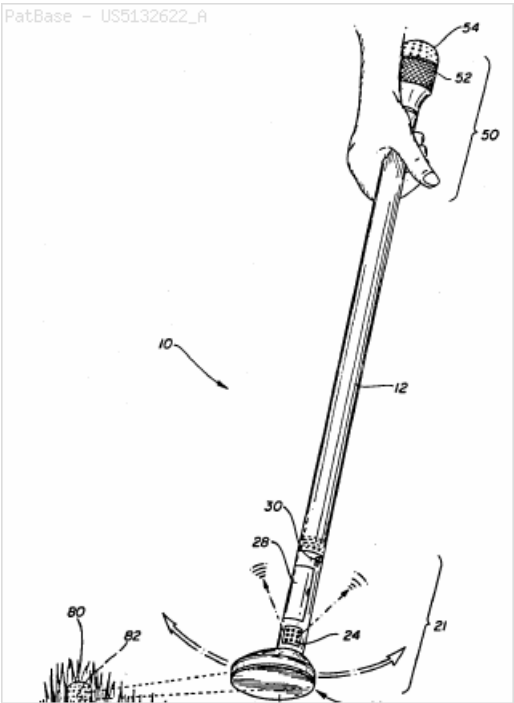
Agent(s): FISH AND RICHARDSON PC; LAW OFFICE OF SCOTT C HARRIS INC; LAW OFFICE OF SC HARRIS

Title: Method and apparatus for locating and retrieving a golf ball having a metal center

Abstract: A method for locating and retrieving a golf ball and an apparatus therefore is provided, the method of finding the golf ball involving the use of a metal detection means in connection with a golf ball having a metal center, the method for retrieving the golf ball involving the use of a retrieval scoop mounted on a telescopic arm extendible from the apparatus; the apparatus of the size and shape of a conventional golf club so that it may be conveniently placed within a golf bag and carried by a golfer along with the golfer's other golf clubs.

Classifications:

International (IPC 8-9): A63B43/00 G01V3/15 (Advanced/Invention);
A63B43/00 G01V3/15 (Core/Invention)
International (IPC 1-7): A63B43/00 G01V3/08 G01V3/10
CPC: A63B24/0021 A63B43/00 A63B2024/0053 G01V3/15
European: A63B24/00E A63B43/00 G01V3/15 K63B24/00E4
US: 273/213 324/326 473/286 473/353 473/409



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US19910641181 19910115

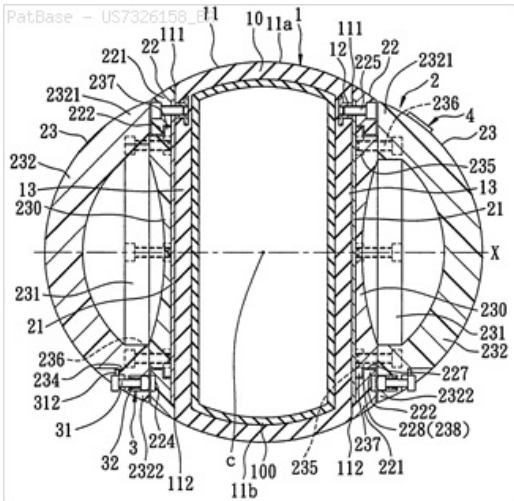
Probable Assignee: VALENTINO PETER J
Assignee(s): (std): VALENTINO PETER J
Inventor(s): (std): VALENTINO PETER J

Title: **BALL** EXERCISER

Abstract: A **ball** exerciser includes a deformable rolling body having an outer surrounding wall surface and at least one lateral mount wall, a rigid stationary coupling member secured to the lateral mount wall and having a stationary coupling end distal from the lateral mount wall, a movable coupling member having a movable coupling end disposed to be swivelable and frictionally rotatable relative to the stationary coupling end about a rolling axis, a **grip** including a **grip** segment which is spaced apart from the lateral mount wall and which is coupled to the movable coupling end so as to permit the **grip** segment to swivel with the movable coupling member.

Classifications:

International (IPC 8-9): A63B21/00 A63B43/02 (Advanced/Invention);
A61H15/00 (Advanced/Non-invention)
CPC: A63B21/06 A63B22/20 A63B23/1236 A63B41/00 A63B43/02
A63B2071/0625 A63B2220/17 A63B2230/75
European: A63B21/06 A63B22/20 A63B41/00 A63B43/02 K63B220/17
K63B23/12A6 K63B230/75 K63B71/06D2A
US: 482/132 482/51 482/8 482/95 601/120



Family:

Publication number	Publication date	Application number	Application date
US7326158 BA	20080205	US20060593907	20061107

Priority:

US20060593907 20061107

Probable Assignee: WANG WEN CHING
Assignee(s): (std): WANG WEN CHING
Inventor(s): (std): WANG WEN CHING
Agent(s): BRINKS HOFER GILSON AND LIONE

Title: PROJECTILE AND THROWING APPARATUS AND GAME FOR PROJECTILE THROWING

Abstract: An improved projectile throwing apparatus is described comprising a handle, an elongate **shaft**, and a throwing head for throwing a projectile, such as a golf **ball**. The throwing head may be interchangeable with golf **shafts** of varied lengths, with lacrosse **shafts**, or other **shafts** to achieve accurate, long distance golf **ball** throws. The throwing head may be shaped to achieve throws of different distance, launch angle, and trajectory, optionally imparting spin with a retrograde ramp at the distal end of the throwing head. The throwing apparatus is useful for golf-type game play, including for those with physical disabilities, as well as for a training and instructional aid for golf, lacrosse, and other sports.

Classifications:

International (IPC 8-9): A63B37/00 A63B43/00 A63B59/00 A63B59/02 A63B59/20 A63B65/12 A63B67/183 A63B69/36

F41B3/04 (Advanced/Invention);

A63B102/14 A63B102/32 A63B60/06 A63B60/08 A63B60/10 A63B67/00

A63B67/18 A63B71/00 (Advanced/Non-invention)

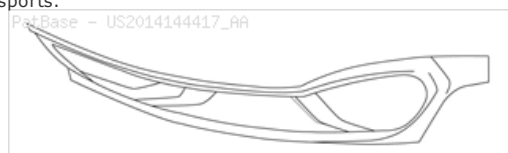
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A63B71/0009 F41B3/04 A63B59/20 A63B65/122 A63B60/06 A63B60/08 A63B60/10 A63B67/183 A63B2102/14 A63B2102/32

US: 1/1 124/5 473/513 D21/722

Locarno class: 21/02



Family:

Publication number	Publication date	Application number	Application date
US2014144417 AA	20140529	US20130779676	20130227
US2015297964 AA	20151022	US20150677045	20150402
US2016096093 AA	20160407	US20150874637	20151005
US9149695 BB	20151006	US20130779676	20130227
US9630076 BB	20170425	US20150677045	20150402
USD784466 S1	20170418	US20140508440F	20141106

Priority:

US20120604176P 20120228 US20130779676 20130227 US20140508440F 20141106
 US20150677045 20150402 US20150874637 20151005

Probable Assignee:

EVANS CURTIS

Assignee(s): (std):

EVANS CURTIS ; EVANS CURTIS ALAN

Inventor(s): (std):

EVANS CURTIS ALAN ; EVANS CURTIS

Agent(s):

MICHAEL HAYNES PLC; MICHAEL N

Title: SMART DEVICE

Abstract: An Internet of Thing (IoT) device includes a camera coupled to a processor; and a wireless transceiver coupled to the processor. Blockchain smart contracts can be used with the device to facilitate secure operation.

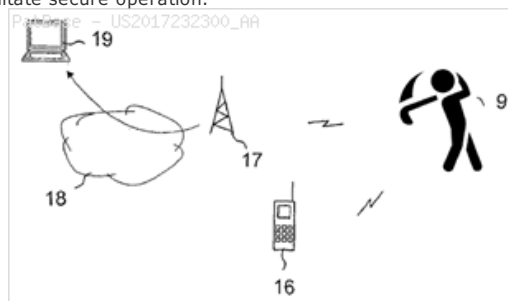
Classifications:

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A42B3/04 A61B5/00 A61B5/01 A61B5/0205 A61B5/024 A61B5/0402 A61B5/0488 A61B5/053 A61B5/055 A61B5/11 A61B5/22 A63B21/072 A63B69/00 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B71/08 A63B71/10 A63B71/12 A63B71/14 G06K9/62 G16H50/20 H04B1/04 H04B1/38 H04L29/08 H04N7/18 H04W84/18 H04W88/02 (Advanced/Non-invention)

CPC: A63B2230/04 A63B2230/50 A63B24/0006 A63B2208/0204 A63B24/0021 H04B1/38 G06K9/6277 H04N7/185 G01P15/18 A63F13/212 A61B5/0205 A61B5/0404 G06N5/04 G06K9/78 G06K9/00302 G01P15/0802 A63F2300/8082 A63B24/0062 H04N5/2253 A61B5/1123 A61B5/6898 A61B5/11 A61B5/1116 A61B5/1118 A61B5/1128 A61B5/163 A61B5/165 A61B5/18 A61B5/6826 A61B5/6893 G06F3/00 G06K9/00342 H04L67/04 H04L67/125 H04L67/20 H04L67/303 H04L67/32 H04L69/40 G06K9/00805 G06K9/2018 G06K9/228 G06K9/4604 G06K9/4633 G06K9/4671 G06K9/6205 A63B21/072 A63B21/0726 A63B69/0002 A63B69/0026 A63B69/0028 A63B69/0048 A63B69/0071 A63B69/02 A63B69/06 A63B69/16 A63B69/36 A63B69/3632 A63B71/10 A63B71/1216 A63B71/1291 A63B71/141 A63B2071/1233 A63B2071/1235 A63B2071/1283 A63B2207/02 A63B2220/12 A63B2220/13 A63B2220/16 A63B2220/20 A63B2220/24 A63B2220/30 A63B2220/40 A63B2220/51 A63B2220/53 A63B2220/56 A63B2220/72 A63B2220/74 A63B2220/75 A63B2220/76 A63B2220/803 A63B2220/806 A63B2220/807 A63B2220/833 A63B2220/836 A63B2225/30 A63B2225/50 A63B2225/54 A63B2230/06 A63B2230/60 A63B2230/70 A63B2243/0025 A63B2243/0037 A63B2243/0054 A63B2243/0066 A63B2243/007 A63B2243/0095 A63B2244/102 A63B2244/18 A63B2244/19 A63B2244/20 A63B2244/203 G16H20/30 H04W88/02 A61B5/02416 A61B5/0488 A61B5/224 A61B5/7203 A61B5/7264 B33Y10/00 B33Y80/00 G01L5/0052 G01L5/10 G01L5/226 G01M17/02 G01M17/06 H04B1/385 H04L67/12 H04N7/183 G06F3/013 G06F3/014 G16H30/20 G06F19/345 H04L67/18 A63F11/00 G06N7/005 A63F13/245 A63F13/25 A63F13/5255 H04L67/38 H04W4/80 G06K19/025 G06K19/07762 G06Q40/08 A61B5/0024 A61B5/1121 A61B5/6803 A61B5/7282 A63B24/0075 G06F3/011 G06F3/012 G06F2203/011 G06F2203/0384 A61B5/01 A61B5/024 A61B5/0402 A61B5/053 A61B5/0533 A61B5/055 A61B5/4872 A61B5/6806 A61B2503/10 A61B2562/0219 G06K9/00671 G16H40/63 G16H40/67 A63B71/145 H04W84/18 A61B5/0022 G16H40/60 H04L9/321 H04L9/3236 H04L9/3247 H04L2209/38 H04L2209/56 G01N2291/02483 G01N29/00 G06K9/00496 G06N20/00 G06F19/00 G06F1/163 G09B19/0038 G06Q10/08 G06Q30/0241 G06Q30/06 A61B5/112 A61B5/6804 G16H10/40 G16H15/00 G16H40/20 G16H70/40 A63B21/0724 A63B60/16 A63B71/085 A42B3/0433 A42B3/046 A61B5/0205 A61B5/681 A61B5/6895 A63B43/004 A63B60/46 A63B69/38 A63B71/06 A63F13/211 G01N29/14 G01N29/4436 G01N2291/0258 G01N2291/044 G06F3/017 G06K9/00355 G09B19/003 G16H50/20 H04B1/04 H04L67/10 H04N5/2257 H04N7/18 H04Q9/00 H04Q2209/40 H04W4/027 H04W4/38 G06Q20/02 G06Q20/382 H04N5/232 H04N5/247 G16H10/60 G16H80/00 G16H50/30 G16H50/50 G16H50/70 G06K9/00389 G06Q2220/00 G16H30/40

US: 1/1 340/870.07 340/870.3 434/247 700/91

**Family:**

Publication number	Publication date	Application number	Application date
US2017232300 AA	20170817	US20170586199	20170503
US2017312578 AA	20171102	US20170626087	20170617
US2017312614 AA	20171102	US20170626099	20170617
US2017318360 AA	20171102	US20170624014	20170615
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US2018117446 AA	20180503	US20170594214	20170512
US2018117447 AA	20180503	US20170594311	20170512
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US2018264347 AA	20180920	US20180973524	20180507
US2018288586 AA	20181004	US20180990550	20180525
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US9849364 BB	20171226	US20170586199	20170503
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Probable Assignee:

TRAN BAO

Assignee(s): (std):

TRAN BAO ; TRAN HA

Inventor(s): (std):

TRAN HA ; TRAN BAO

Agent(s):

TRAN AND ASSOCIATES

Title: PITCHING TRAINING METHOD AND DEVICE

Abstract: A device for learning pitching technique for **ball** games and improving muscle strength through resistance training. The device, which consists of an elongated U shaped coiled tubular spring with a curved end and pair of straight parallel **shaft** portions with solid tips, is aligned with and strapped to the user's pitching forearm. The device adjusts to fit the forearm. A rod or elastic string is fitted through a sleeve in the **ball**'s internal polar tunnel, and the opposing ends of the rod or string are attached to the tips so that the **ball** can be spun around the rod or bounced on the string, to simulate pitching. A shock absorbent casing on the curved end and strap increases comfort. Opposing ends of an elastic band can be attached to the device and a stable object, such as a pole, to perform resistance training.

Classifications:**International (IPC 8-9):** A63B21/06 A63B23/12 A63B43/00

A63B69/00 (Advanced/Invention);

A63B21/06 A63B23/035 A63B43/00 A63B69/00 (Core/Invention)

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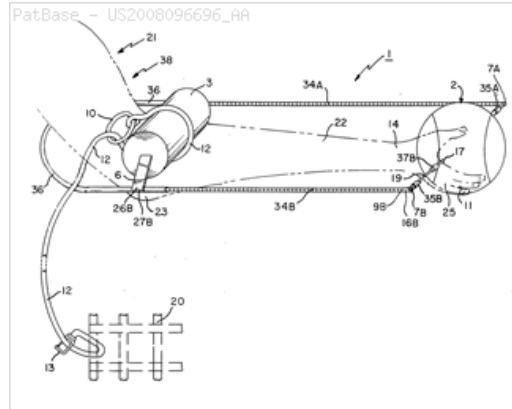
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K63B21/055D2 K63B21/14A8 K63B225/09 K63B69/00B1A K63B69/00T2

US: 473/422 473/450 473/451 473/451P 473/458 473/458P 482/121

482/93

**Family:**

Publication number	Publication date	Application number	Application date
CA2605211 AA	20071030	CA20072605211	20071011
CA2605211 C	20091208	CA20072605211	20071011
CN101594915 A	20091202	CN200780047556	20071011
CN101594915 B	20110921	CN200780047556	20071011
JP2009509721 T2	20090312	JP20080541514T	20071011
JP4772874 B2	20110914	JP20080541514T	20071011
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US7374502 BB	20080520	US20060584317	20061020
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Priority:

US20060584317 20061020 WO2007US81025 20071011 US20080011245 20080125

Probable Assignee: COMELLO CARLO J JR**Assignee(s):** (std): COMELLO CARLO J ; COMELLO CARLO J JR ; COMELLO JR CARLO J**Inventor(s):** (std): COMELLO CARLO J ; COMELLO JR CARLO J ; COMELLO CARLO J JR**Agent(s):** MBM INTELLECTUAL PROPERTY LAW LLP; MARY A WHITING; WHITING ESQ MARY A; MARY A; FELDMAN MARVIN

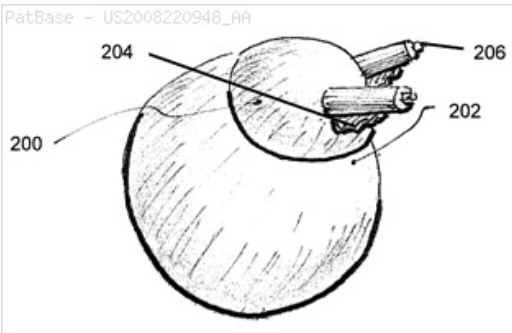
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Title: HOPPING BALL

Abstract: A hopping play ball has one or more water reservoirs in fluid communication with one or more squirt nozzles. The squirt nozzles are activated by a user.

Classifications:

International (IPC 8-9): A63B21/00 A63B25/08 A63B26/00 A63B41/00 A63B41/02 A63B43/06 A63B5/00 A63B5/16 A63H23/08 A63H29/10 A63H3/06 A63H3/52 A63H33/30 A63H33/40 B05B17/00 (Advanced/Invention); A63B26/00 A63B5/00 A63H23/00 A63H29/00 A63H3/00 A63H33/00 A63H33/30 (Core/Invention)
CPC: A63B41/02 B05B17/00 A63B41/00 A63B43/06 A63B2220/17
European: A63B41/00 A63B43/06 K63B220/17
US: 239/289 239/289S 239/333 239/71 239/71S 239/72 239/72S 446/220 472/128 472/134 482/148 482/77 482/77P



Family:

Publication number	Publication date	Application number	Application date
US2008220948 AA	20080911	US20080037032	20080225
US2011269602 AA	20111103	US20110098369	20110429
US2011275491 AA	20111110	US20110184449	20110715
US2013296140 AA	20131107	US20130851058	20130326
US7938758 BB	20110510	US20080037032	20080225
US8915826 BB	20141223	US20130851058	20130326
WO07027647 A1	20070308	WO2006US33615	20060828

Priority:

US20050712713P 20050830	WO2006US33615 20060828	US20080037032 20080225
US20110098369 20110429	US20110184449 20110715	US20130851058 20130326

Probable Assignee: PUBLICOVER MARK W

Assignee(s): (std): HYLBERT JON P ; MARK W PUBLICOVER ; PUBLICOVER MARK W ; STRASSER DONALD

Inventor(s): (std): PUBLICOVER MARK W ; STRASSER DONALD ; HYLBERT JON P ; HYLBERT JON PATTON

Agent(s): KLARQUIST SPARKMAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: A GOLF TRAINER

Abstract: A golf trainer, including a **shaft** (11), a handle **grip** (14), a weight (1) and a length of shock cord (2), the golf **grip** (14) being fitted at one end of the **shaft** (11) in which one end of the shock cord (2) is fitted, the other end of the **shaft** (11) having extending therefrom the free end of the shock cord (2) to which the weight (1) is attached so that when the **shaft** (21) is swung in a golf swing the weight extends the shock cord (2).

Classifications:

International (IPC 8-9): A63B15/00 A63B21/055 A63B43/00 A63B53/00 A63B67/20 A63B69/36 (Advanced/Invention);

A63B21/055 A63B67/20 A63B69/36 (Advanced/Non-invention);

A63B15/00 A63B43/00 A63B69/36 (Core/Invention);

A63B21/02 A63B67/20 (Core/Non-invention)

International (IPC 1-7): A63B15/00 A63B53/00 A63B69/36

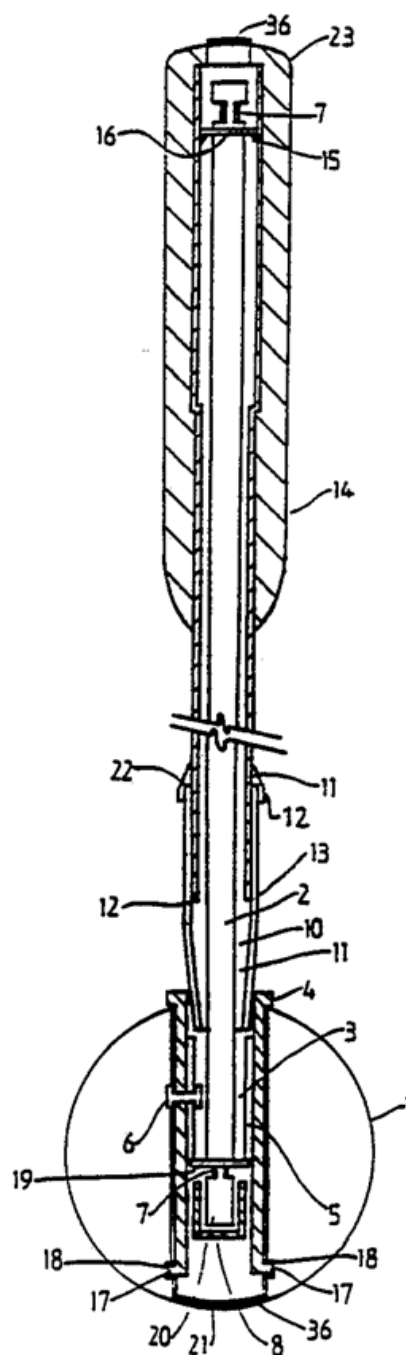
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A63B67/20 A63B2024/0053 A63B60/02 A63B15/005

European: A63B15/00C A63B24/00E A63B43/00T K63B21/055D

K63B24/00E4 K63B243/00G K63B43/00 K63B67/20

PatBase - W09303798_A1



Family:

Publication number	Publication date	Application number	Application date
AU199224435 A1	19930316	AU19920024435	19920817
CA2115758 AA	19940215	CA19922115758	19920817
EP0598810 A1	19940601	EP19920917749	19920817
JP6509725 T2	19941102	JP19930504188T	19920817
NZ239428 A	19931125	NZ19920239428	19920820
WO9303798 A1	19930304	WO1992GB01514	19920817

Priority:

NZ19910239428 19910816 WO1992GB01514 19920817

Probable Assignee: HANTON GOLF ENTERPRISES LTD

Assignee(s): (std): HANTON GOLF ENTERPRISES LTD ; HANTON THOMAS ; THOMAS HANTON

Inventor(s): (std): HANTON THOMAS

Inventor(s): THOMAS HANTON

Agent(s): GRIFFITH HACK; BERESKIN AND PARR

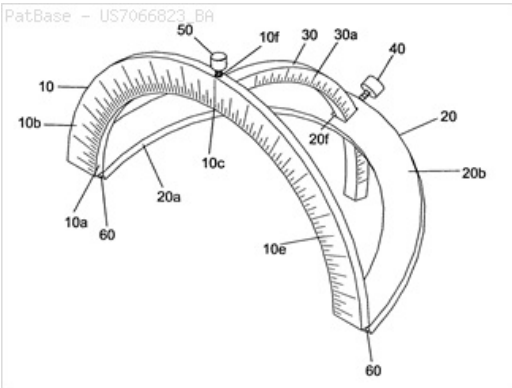
Designated states: AT AU BE CA CH DE DK ES FR GB GR IE IT JP KP KR LI LU MC NL SE US

Title: ADJUSTABLE BOWLING BALL MEASURING AND MARKING DEVICE

Abstract: A device for determining the placement of gripping holes with respect to the pin and/or the center of gravity and/or the mass bias of a bowling ball has a meridian plane indicator, a vertical axis plane indicator and a horizontal axis plane indicator. The meridian plane indicator has a scale which determines the distance between placements of finger holes and a thumb hole for bowling balls. The vertical axis plane indicator has a scale which determines the distance from the horizontal axis plane to the location of the positive axis point. The horizontal axis plane indicator has two scales; the first determines the distance between the meridian plane and the vertical axis plane about the surface of the ball along the horizontal axis plane, the second scale determines the angular displacement of the meridian plane and the vertical axis plane. The vertical axis plane indicator is pivotally connected to the meridian plane indicator and has a means of temporarily affixing its position to the horizontal plane indicator. This allows the device to use cooperating scales to directly read the axis coordinates from a previously drilled ball, or to pre-set the device to a particular bowler's axis coordinates to speed up the process of marking a new ball in preparation for drilling. The device also has an adaptation to permit the drawing of various size arcs on the bowling ball surface to quickly and accurately locate the desired positive axis point.

Classifications:

International (IPC 8-9): A63B43/04 G01B1/00 (Advanced/Invention); A63B43/00 G01B1/00 (Core/Invention)
CPC: A63B37/0002 A63B45/02 A63B47/008 A63B2243/0054
European: A63B45/02 A63B47/00M K63B243/00M K63B37/00B2
US: 33/509 33/510 473/125



Family:

Publication number	Publication date	Application number	Application date
US7066823 BA	20060627	US20040872730	20040619

Priority:

US20040872730 20040619

Probable Assignee:

BULLIS JODY R

Assignee(s): (std):

BULLIS JODY R

Inventor(s): (std):

BULLIS JODY R

Title: CONNECTION ASSEMBLY FIXED TO A **BALL**

Abstract: A **ball** is formed with a mounting fixture embedded therein. A connection assembly having a length of webbing having a grommet, a connection ring and a safety strip are attached to the **ball** using the mounting fixture. One or more elastic cords are selectively connectable to the connection ring to vary the amount of resistance a user experiences during exercise. The other end of the elastic cords is connected to a snap fastener for quick attachment to a door/post strap, which is installed to serve as a relatively immovable point. In use the user moves the **ball** in a throwing motion against the resistance of the elastic cords to develop or rehabilitate muscles.

Classifications:

International (IPC 8-9): A63B43/00 (Advanced/Invention);
A63B21/04 A63B21/055 A63B69/00 (Advanced/Non-invention);
A63B43/00 (Core/Invention);
A63B21/02 A63B69/00 (Core/Non-invention)

International (IPC 1-7): A63B43/00

CPC: A63B21/00061 A63B21/00065 A63B21/04 A63B21/0442 A63B21/0552 A63B21/0555 A63B21/0557 A63B21/1663
A63B43/007 A63B69/0002

European: A63B21/055D A63B43/00T K63B21/00F2 K63B21/00F4 K63B21/04 K63B21/04C K63B21/055D2 K63B21/055D4
K63B21/16D8 K63B69/00B



Family:

Publication number	Publication date	Application number	Application date
WO9810840 A2	19980319	WO1997US15925	19970910
WO9810840 A3	19980528	WO1997US15925	19970910

Priority:

US19960026903P 19960910

Probable Assignee: COTTIS JOSEPH SCOTT

Assignee(s): (std): COTTIS JOSEPH SCOTT

Inventor(s): (std): COTTIS JOSEPH SCOTT

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE US

Title: TOY WITH TORQUE CANCELING SLING

Abstract: (Claim 1) 1. A device of the character described which includes a body member and a torque canceling sling mechanism for whirling the body member in an orbit for generating momentum to cause said body member to fly off into space when released, said sling mechanism including two like spools, means independently journaling the spools within said 5 body member on a common axis, two cords and each fixed to and woiind upon one of the two spools in opposite directions respectively, and spring means interconnecting each of the two spools with a part of the journaling means to be wound up oppositely incidental to unwinding of the cord under centrifrtigal force of said body member as it moves into said orbit for rewindin.- the cords on said spools when the cords are released.

Classifications:

International (IPC 8-9): A63F7/00 (Advanced/Invention);

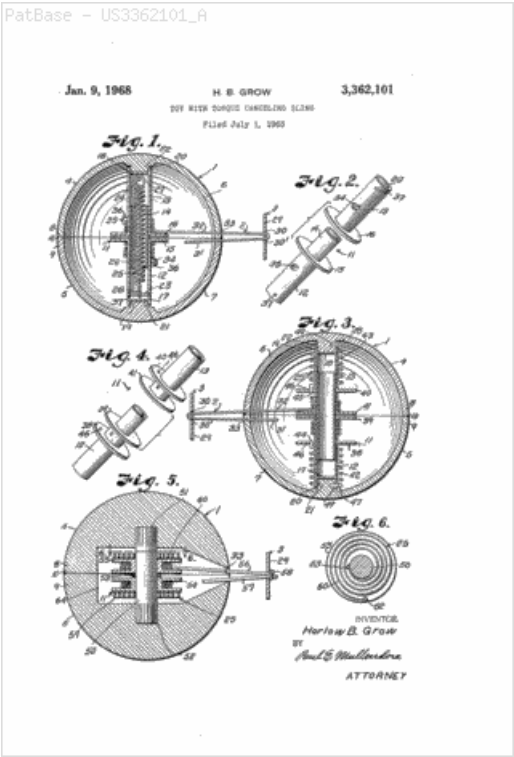
A63F7/00 (Core/Invention)

International (IPC 1-7): A63B43/00

CPC: A63F7/249 A63F7/382

European: A63F7/38 A63F7/38H

US: 446/249 46/59



Family:

Publication number	Publication date	Application number	Application date
US3362101 A	19680109	US19650468806	19650701

Priority:

US19650468806 19650701

Probable Assignee:

GROW HARLOW B

Assignee(s): (std):

GROW HARLOW B

Assignee(s):

HARLOW B GROW

Inventor(s): (std):

GROW HARLOW B

Title: GOLF PRACTICE SYSTEM

Abstract: A golf practice and exercise system having a practice **ball** and a target assembly, using either a conventional or practice golf club. The practice **ball** is any generally spherical shape made of a flexible material and having an internal pressure of approximately atmospheric, for example an uninflated soccer **ball**. The weight of the practice **ball** is sufficient to provide muscle development, but is limited to allow the golfer to complete the follow-through of the golf swing. The target assembly has an energy absorbing surface attached to a rigid frame held in place by a frame support structure. Alternatively, the target assembly is a flat surface made of a hard material. The practice golf club has a substantially oversized club head with a peripheral rim defining a large opening through the club head. The club head may be selectively weighted. The **grip** of the club has alternating annular ridges and recesses.

Classifications:

International (IPC 8-9): A63B43/00 A63B53/04 A63B53/06 A63B63/00 A63B67/02 A63B69/36 (Advanced/Invention); A63B43/00 A63B69/36 (Advanced/Non-invention); A63B53/04 A63B53/06 A63B63/00 A63B67/02 A63B69/36 (Core/Invention); A63B43/00 (Core/Non-invention)

International (IPC 1-7): A63B39/02 A63B47/02 A63B53/04 A63B53/08 A63B57/00 A63B63/00 A63B69/36

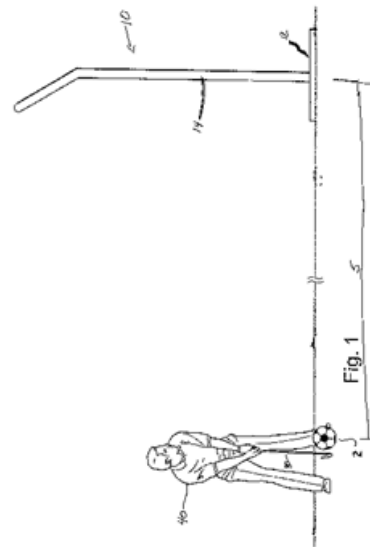
CPC: A63B60/46 A63B69/36 A63B43/00 A63B53/04 A63B53/06 A63B63/00 A63B67/02 A63B69/3623 A63B69/3655 A63B2043/001 A63B2053/0433 A63B2053/0491 A63B2063/001

European: A63B43/00 A63B53/04 A63B53/06 A63B63/00 A63B67/02 A63B69/36D A63B69/36D8 K63B43/00B2 K63B53/04A6D K63B53/04W K63B63/00A2 K63B63/00B

US: 473/150 473/197 473/197P 473/28 473/280 473/280S

PatBase - US2002082101_AA

Patent Application Publication Jun. 27, 2002 Sheet 1 of 15 US 2002/0082101 A1



Family:

Publication number	Publication date	Application number	Application date
AU200197129 A1	20020627	AU20010097129	20011207
AU200197129 A5	20020627	AU20010097129	20011207
AU2003203593 AA	20031106	AU20030203593	20030409
AU762594 B2	20030626	AU20010097129	20011207
CA2365034 AA	20020622	CA20012365034	20011212
CA2424899 AA	20031017	CA20032424899	20030409
EP1219327 A2	20020703	EP20010130016	20011218
EP1219327 A3	20031203	EP20010130016	20011218
EP1354613 A1	20031022	EP20030005970	20030318
JP2002219203 A2	20020806	JP20010383848	20011218
JP2003320066 A2	20031111	JP20030094269	20030331
KR20030082482 A	20031022	KR20030024323	20030417
US2002082101 AA	20020627	US20000748046	20001222
US2002111222 AA	20020815	US20020124103	20020417
US6974390 BB	20051213	US20000748046	20001222

Priority:

US20000748046 20001222 CA20012365034 20011212 US20020124103 20020417
CA20032424899 20030409

Probable Assignee: YOSHIHIKO SHIODA

Assignee(s): (std): SHIODA YOSHIHIKO ; SHIODA YOSHIHIKO ; YOSHIHIKO SHIODA

Inventor(s): (std): SHIODA YOSHIHIKO ; SHIODA YOSHIHIKO ; YOSHIHIKO SHIODA

Agent(s): GRIFFITH HACK; RIDOUT AND MAYBEE LLP; KENNEDY COVINGTON LOBDELL AND HICKMAN LLP

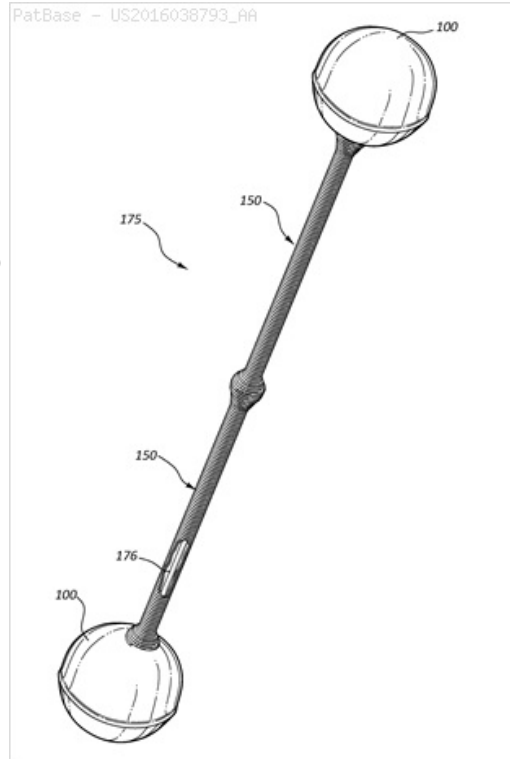
Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Title: WOBBLY BALL

Abstract: The present invention relates to wobbly balls and exercise coil springs. A wobbly ball may include a non-spherical rigid, hollow ball body formed of two halves, each half comprising an upper ladle or a lower ladle which are welded together along a central seam therebetween, and defining a hollow cavity therein. A spherical inner ball is captured within the hollow cavity of the hollow ball body of the wobbly ball, so that upon movement of the wobbly ball, the inner ball rolls within the cavity, producing a wobbly, eccentric motion. The exercise coil spring may be formed of a single coiled wire, the coiled spring including a central portion where the coiled wire is coiled to a first diameter that is constant. Opposed flared ends are provided of the central portion where the coiled wire is progressively coiled from the first diameter to a second diameter, which is greater.

Classifications:

International (IPC 8-9): A01B29/00 A01B45/00 A01B45/02 A01D34/00 A63B21/02 A63B21/055 A63B21/16 A63B23/035 A63B23/12 A63B23/16 A63B43/04 B63H16/20 F03G5/00 F03G5/06 F03G5/08 H02K1/34 H02K35/00 H02K7/18 (Advanced/Invention); A63B21/00 A63B21/005 A63B21/06 A63B21/062 A63B21/072 A63B5/20 A63B71/00 A63B71/06 B62B5/00 B63H16/20 (Advanced/Non-invention)
CPC: A63B43/04 A63B21/023 A01B45/02 A01B29/00 H02K1/34 B63H2016/202 A01B45/00 A01D34/001 A63B5/20 A63B21/00061 A63B21/00065 A63B21/00069 A63B21/00196 A63B21/0054 A63B21/027 A63B21/0552 A63B21/0557 A63B21/06 A63B21/0608 A63B21/0628 A63B21/0724 A63B21/151 A63B21/1618 A63B21/1663 A63B21/4035 A63B21/4043 A63B23/03508 A63B23/03525 A63B23/03541 A63B23/1209 A63B23/1218 A63B23/1245 A63B23/16 A63B2071/009 A63B2071/0625 A63B2209/08 A63B2225/60 B62B5/0026 F03G5/00 F03G5/06 F03G5/08 H02K7/1853 H02K7/1892 H02K2201/18 A63B67/08 A63B69/0079
US: 172/21 172/349 172/354 310/38 440/26 473/594 482/121



Family:

Publication number	Publication date	Application number	Application date
US2016038793 AA	20160211	US20140452962	20140806
US9795838 BB	20171024	US20140452962	20140806

Priority:

US20140452962 20140806

Probable Assignee:

KIKEL KEITH R

Assignee(s): (std):

KIKEL KEITH R

Inventor(s): (std):

KIKEL KEITH R

Agent(s):

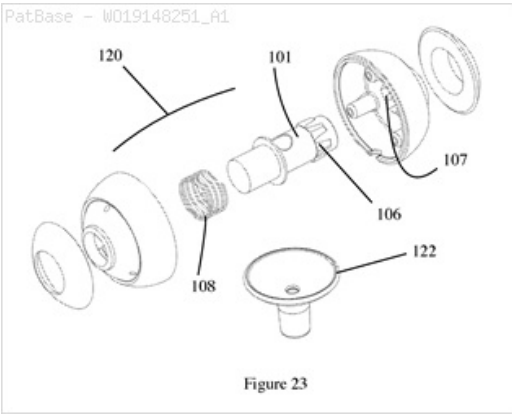
WORKMAN NYDEGGER

Title: A SWING TRAINING PRACTICE CLUB

Abstract: A practice club for practising a sport is described, the practice club including a club **shaft**; an extendible bump assembly including a stopper movable between a rest position in which it rests against a mounting stop, and an extended position in which the stopper extends a selected distance from the stop. There is also described a sports club or bat with a tension indicator disposed on a **shaft** of the practice club or bat to indicate tension of an inextensible stringer or resilient element in or on the practice club or bat.

Classifications:

International (IPC 8-9): A63B15/00 A63B43/00 A63B53/08 A63B67/20 A63B69/36 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
WO19148251 A1	20190808	WO2019AU50080	20190204

Priority:

AU20180900327 20180202 AU20180902900 20180808 AU20180904173 20181102

Probable Assignee: ARNOLDS INNOVATIONS PTY LTD

Assignee(s): ARNOLDS INNOVATIONS PTY LTD

Inventor(s): ANDREWS CRAIG ; ARNOLD BRETT ; ZOCEK PAVEL ; TANEJA ROHAAN

Agent(s): FOUNDRY INTELLECTUAL PROPERTY PTY LTD

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: TOWEL DRILL DEVICE AND METHOD OF MAKING SAME

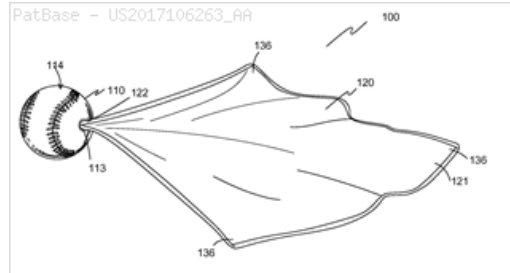
Abstract: A sports training device for pitching and throwing has a **ball** core and a cover material. The core member defines a passageway extending through the **ball** core and also defines an **anchor** recess into a surface of the **ball** core. The **anchor** recess is aligned with and communicates with the passageway. A cloth member has a geometric shape with at least one corner and defining an attachment portion and a body portion extending away from the attachment portion. The attachment portion extends through the passageway and is attached to an **anchor** member sized to be received in the **anchor** recess. A cover material is installed over the **ball** core with the body portion of the cloth member extending through a cover opening and out from the **ball** core.

Classifications:

International (IPC 8-9): A63B37/00 A63B43/00 A63B45/00 A63B69/00 (Advanced/Invention)

CPC: A63B69/0002 A63B43/00 A63B45/00 A63B37/00 A63B37/06 A63B43/007 A63B2037/125 A63B2043/001 A63B2069/0006

US: 473/451



Family:

Publication number	Publication date	Application number	Application date
US2017106263 AA	20170420	US20150887368	20151020
US9656139 BB	20170523	US20150887368	20151020

Priority:

US20150887368 20151020

Probable Assignee: STEAMER46 LLC

Assignee(s): (std): STEAMER46 LLC

Inventor(s): (std): STANLEY KYLE ROBERT ; DOLCE FREDERICK SILLIMAN ; STANLEY ROBERT WILLIAM ; PIASCIK FRAN ANTHONY

Agent(s): MESMER AND DELEAULT PLLC

Title: PERIMETER WEIGHTED GOLF BALL WITH VISIBLE WEIGHTING

Abstract: The present invention is directed to improved multi-layer golf balls. In this regard, a smaller and lighter core is produced and metal particles, or other heavy weight filler materials, are included in the cover compositions. This results in a molded golf ball exhibiting enhanced perimeter weighting. Preferably, the particles are included in a relatively thick inner cover layer (or mantle) of a solid, three-piece multi-layered golf ball. In another preferred version, one or more patterns of weighting material are incorporated in the ball, and most preferably along the outer periphery of the ball so that the pattern is visible along the ball's exterior. A wide array of shapes and sizes of the patterns may be used. The size and weight of the core is reduced in order to produce an overall golf ball which meets, or is less than, the 1.62 ounce maximum weight limitation specified by the United States Golf Association. The particles or weighting material preferably have a size ranging from about 10 to about 325 mesh. In another preferred version, the weighting material is incorporated in a cover layer in an amount of from about 1 to about 100 parts per 100 parts of cover layer material. And, in another preferred version, the weighting material is incorporated in a golf ball having a multi-layer cover. The cover may utilize an inner layer that includes a material having a flexural modulus of at least about 15,000 psi and a hardness of at least about 60 Shore D. The cover may also utilize an outer layer that includes a material having a flexural modulus of from about 1,000 to about 10,000 psi and a Shore D hardness of about 65 or less. The weighting material is disposed in at least one of the inner or outer cover layer.

Classifications:

International (IPC 8-9): A63B37/00 A63B43/00 (Advanced/Invention); A63B37/00 A63B43/00 (Core/Invention)

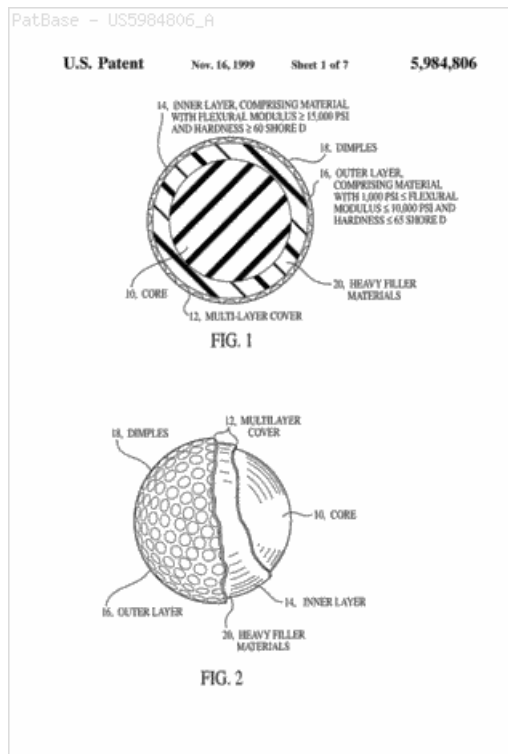
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European: A63B37/00G A63B43/00V K63B37/00G10B6

K63B37/00G10D16 K63B37/00G10D4 K63B37/00G12B3

US: 273/DIG.2 273/DIG.20 40/327 473/359 473/365 473/373 473/378 473/383



Family:

Publication number	Publication date	Application number	Application date
US5984806 A	19991116	US19980049868	19980327

Priority:

US19970782221 19970113 US19970042428P 19970328 US19980049868 19980327

Probable Assignee: CALLAWAY GOLF CO

Assignee(s): (std): SPALDING SPORTS WORLDWIDE INC

Assignee(s): LISCO INC ; TOP FLITE GOLF CO ; TOP FLITE GOLF CO A DELAWARE CORP ; BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIA ; BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION ADMINISTRATIVE AGENT AS ; CALLAWAY GOLF CO

Inventor(s): (std): NESBITT R DENNIS ; SULLIVAN MICHAEL J

Title: A DEVICE FOR TRAINING AND REHABILITATION

Abstract: The invention relates to the field of sports and sport rehabilitation, in particular to a device for training and rehabilitation, removable manner way with at least one rod **shaft**, the rod **shaft** being provided at one of its ends with **anchoring** member.

Classifications:

International (IPC 8-9): A61H1/02 A63B A63B41/04 A63B43/00

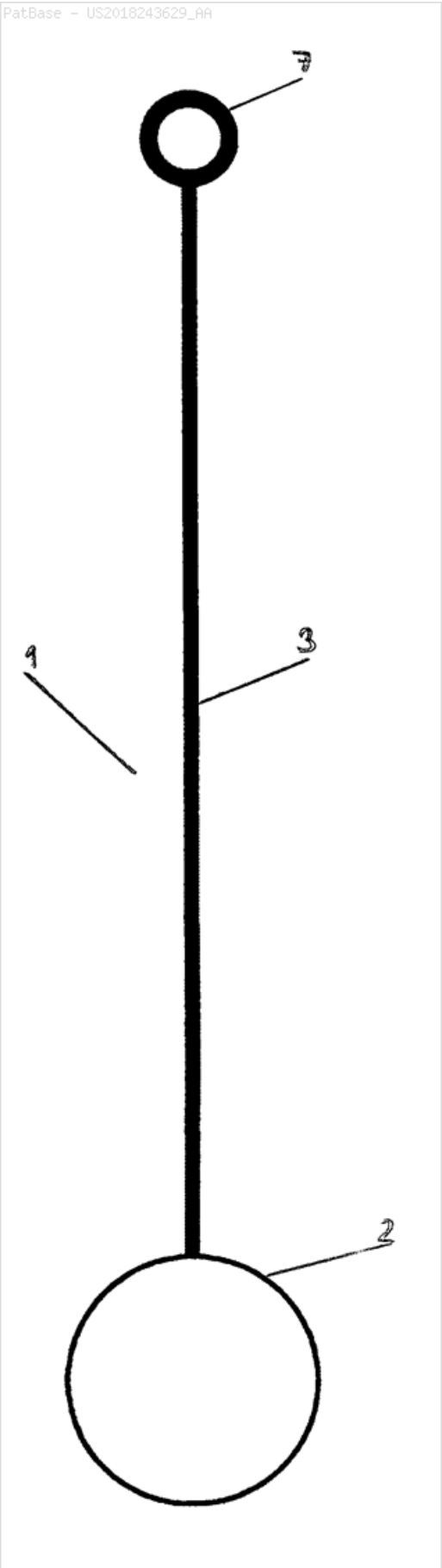
A63B43/02 A63B69/00 (Advanced/Invention);

A63B (Subclass/Invention)

International (IPC 1-7): A63B43/00 A63B43/02 A63B69/00

CPC: A63B41/00 A63B43/007 A63B43/02 A63B2243/0025

A63B2243/0095 A63B69/0091 A63B41/04 A63B2225/09 A63B43/00



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Priority:

CZ20150031482 20150903 CZ20150031482U 20150903 WO2016CZ50032 20160831

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BASKETBALL TRAINER FOR DEVELOPING GRIPPING STRENGTH AND POWER

Abstract: A training device 10 is disclosed, which includes a ball 12 and an anchored connecting structure 14 that is anchored to the ball 12. A distal portion 16 of the anchored connecting structure 14 is a connector 20, extending from a distal portion 18 of the ball 12, that is capable of connecting with a motion resisting device 15. A proximate portion 22 of the anchored connecting structure 14 extends into an inner volume 24 of the ball 12, whereby resistance is provided to twisting and pulling motions between the anchored connecting structure 14 and the ball 12, resulting from torsion and thrust loading during training.

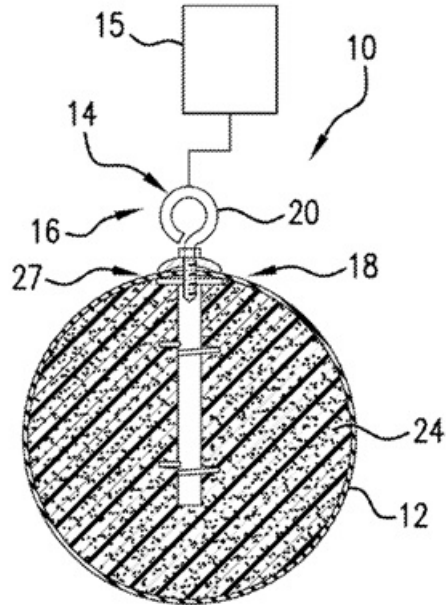
Classifications:

International (IPC 8-9): A63B21/00 A63B21/02 A63B21/04 A63B21/06 A63B23/16 A63B37/00 A63B43/00 A63B69/00 (Advanced/Invention); A63B21/00 A63B21/055 A63B21/062 (Advanced/Non-invention)

CPC: A63B21/023 A63B21/0442 A63B21/055 A63B21/06 A63B21/062 A63B23/16 A63B43/007 A63B69/0073 Y10T29/49948 A63B21/0628 A63B21/4043 A63B37/00 A63B69/0071 A63B21/04

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