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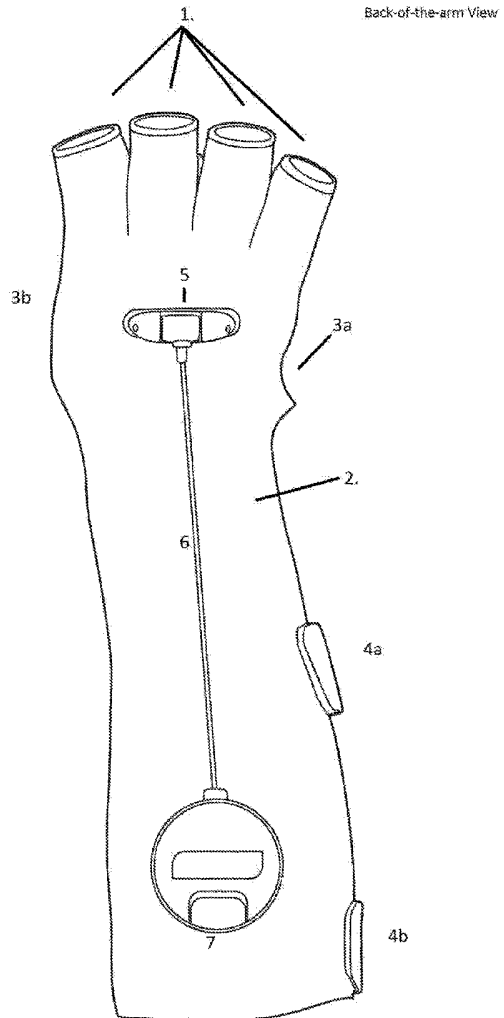
(51) INT CL:
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(56) Documents Cited:
GB 2166959 A **GB 0916700 A**
US 5527040 A **US 5401017 A**
US 4575089 A **US 4017086 A**
US 3400934 A **US 3350100 A**
US 1469315 A

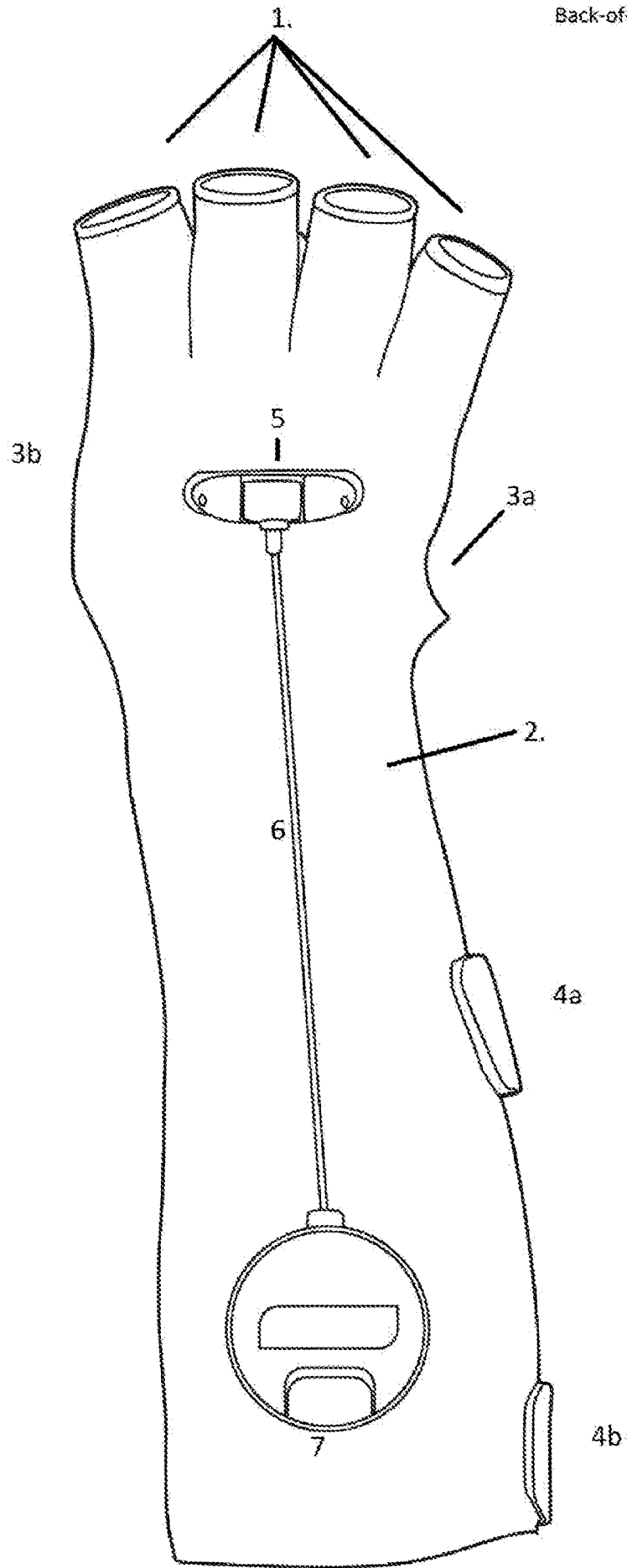
(58) Field of Search:
INT CL **A63B**
Other: **WPI, EPODOC**

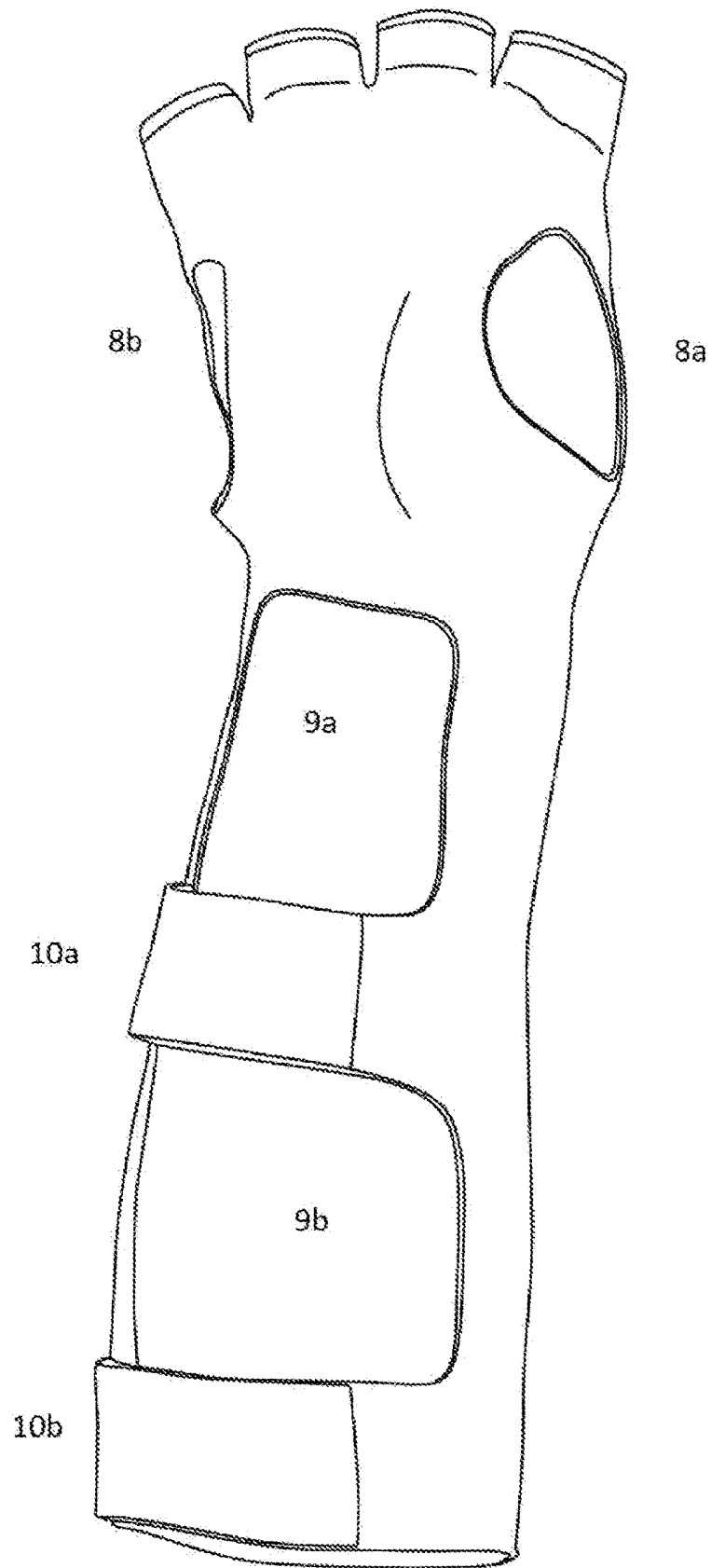
(54) Title of the Invention: **The gauntlet**
Abstract Title: **Golf swing training aid**

(57) A golf swing training aid comprises a half-fingered glove 2 that stretches to the bottom of the forearm. The aid further comprises a cable 6 that extends from a pivot 5 at the back of the hand to a mechanism 7 at the bottom of the glove. This mechanism 7 pulls the cable 6 thereby holding the golfer's wrist in cocked back position during a golf swing. The arrangement makes it harder for the golfer to release the wrist early during the swing allowing a delayed hit through the ball. The glove has straps 4a-4b along the forearm that can be fastened together to keep the glove firmly in place. The glove has two thumb spaces 3a & 3b allowing right-handed and left-handed golfers to use the aid.

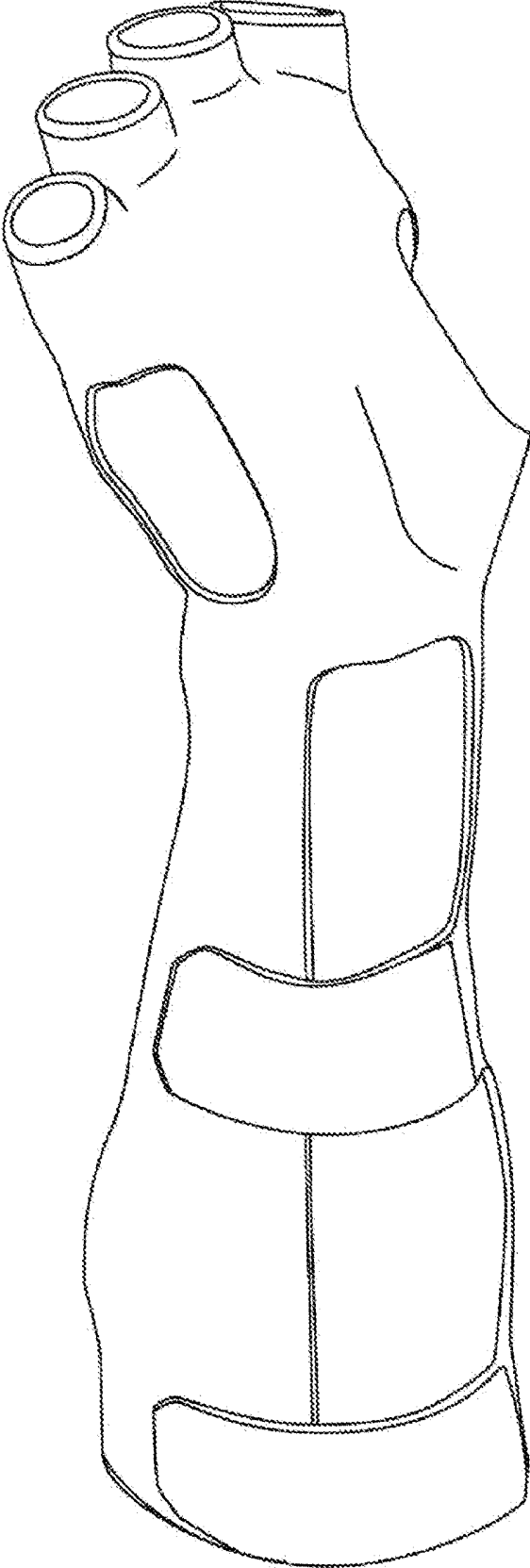


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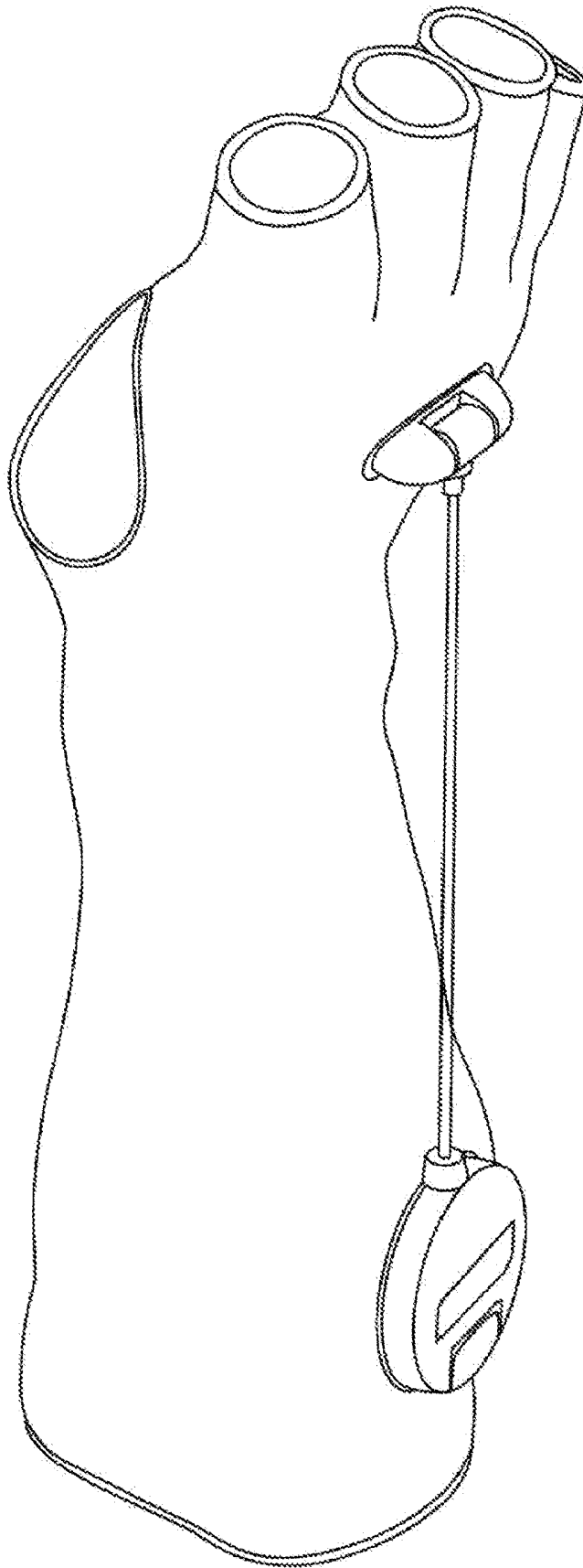




11.



12.



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The Gauntlet

This invention is designed to help the golfer engrain lag within his golf swing.

Golfers are inclined to release the club head too early through impact. The training aid helps the golfer by pulling back on the hand so the golfer can feel the correct release (which is a delayed release) through impact.

Statement of invention

- The invention is a half-fingered glove extending gauntlet-like down the forearm.
- There are two holes either side of the glove where the thumbs go. This promotes aeration to the hand as well as enabling both the left-handed and right-handed golfers to use them.
- The velcro straps aid aeration and size adjustment.
- A pivoting cable connects to a mounting support which is below the middle knuckles and that cable runs up to the end of the gauntlet connecting to a mechanism consisting of a power spring assembly that is protected by a case fastened by a protective rubber pad.
- A locking mechanism which is provided allows practice without the need to swing a club

Advantages

- Promotes lag in the golf swing
- Very Aerated
- Used indoor or outdoor
- For left or right handed golfers
- Adjustable
- Complete experience without the need of a club
- Refined but simple
- Cable for strength
- The product helps the golfer the correct feel; Golf teachers cannot teach people to “feel”.
- For Golfers who struggle on levels whether that is badly or mildly.

The Key for The Gauntlag's Outline Drawings

Please relate the numbers on this sheet with the numbers on the outline drawings.

1. Four openings for the fingers to slot through. Only the base segments of the fingers are covered by the glove. This promotes aeration of the fingers.

2. The glove is made from a stretchable fabric that wraps around the hand and arm to fit any size.

3. a: The thumb of the left hand fits through here for left-handed golfers
b: The thumb of the right handed through here for right-handed golfers

4. a: The end of the strap that is placed across the middle section of the arm.
b: The end of the strap that is placed across the bottom of the product to keep it in place

5. The attachment hinge is fixed to the back of the hand (just below the knuckle). The hinge connects the cable.

6. The cable extends from the attachment hinge, along the back of the arm and into the mechanism at the bottom of the arm. The cable provides strength and is less likely to snap.

7. The mechanism. This device is covered by a circular casing with the name on. Below the name is a latch the golfer can lock the cable. The mechanism works similar to a tape measure: the cable winds inside the casing around a wheel as the golfer bends his wrist back. On moving his wrist forward, the cable pulls on the golfers wrist preventing him from releasing his wrist too early. It slows down the action of the wrist releasing.

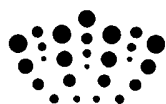
The wheel inside has teeth around the rim. It is connected to a power spring assembly (please see rest of patent) the promotes the pull on the cable. The teeth lock with the latch pressed by the golfer. This is for when the golfer cocks his wrist back and lets the cable hold the cocked wrist. This is for when the golfer really struggles to maintain the lag in his swing and really wants to feel the delay. This is only practised without a golf club.

8. a: The front diagram shows the space where the thumb of the right hand is placed for right-handed golfers.

b: The front diagram shows the space where the thumb of the left hand is placed for left-handed golfers.
9. a&b: Spaces are left in the glove to promote aeration.
- 10 a&b: Velcro straps wrap around the arm so the golfer can adjust the size to his/her comfort.

Claims

1. A glove to help promote lag in the swing. The cable pulls back on the wrist making it harder for golfer to release club early.
2. A glove in claim 1 in which the cable contracts easily when the wrist is cocked back but harder to release due to the pull of the cable.
3. A glove in claim 2 in which the cable can be locked when the golfer has his wrist cocked back.
4. The wrist is locked back as in claim 3 and the golfer can loosely swing without a club in order to practice the feel of his wrist cocked back. This would be for people who badly struggle.
5. A glove in claim 1 that is very aerated with one hole in the glove and straps along the forearm.
6. A glove that has half-fingers to help aeration of the fingers.
7. A mechanism on the bottom of the forearm that releases and contracts the cable.
8. A mechanism as in claim 7 that has a coil that consists of teeth that help lock the reel.
9. A mechanism as in claim 8 that has a locking button and protection cover.
10. A mechanism in claim 9 that has a single cable running from it to the centre of the back of the hand attached to a pivot.
11. A mechanism in claim 9 that has a protective rubbing pad underneath.
12. Velcro straps are added along the arm section of the glove in order to help adjust the size and helps prevent perspiration.



Application No: GB1018845.6

Examiner: Mr Paul Makin

Claims searched: 1-12

Date of search: 3 March 2011

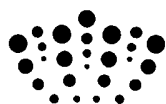
Patents Act 1977: Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance
X	1 at least	GB 2166959 A (GOODING) whole document
X	1 at least	GB 916700 A (CAMPBELL) whole document
X	1 at least	US 5527040 A (STANLEY) whole document
X	1 at least	US 5401017 A (McDONALD) whole document
X	1 at least	US 4575089 A (CORBETT) whole document
X	1 at least	US 4017086 A (WASHBURN) whole document
X	1 at least	US 3400934 A (HERMAN) whole document
X	1 at least	US 3350100 A (CARMINES) whole document
X	1 at least	US 1469315 A (HANSARD) whole document

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.



Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC^X :

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Worldwide search of patent documents classified in the following areas of the IPC

A63B

The following online and other databases have been used in the preparation of this search report

WPI, EPODOC

International Classification:

Subclass	Subgroup	Valid From
A63B	0069/36	01/01/2006
A63B	0069/00	01/01/2006