

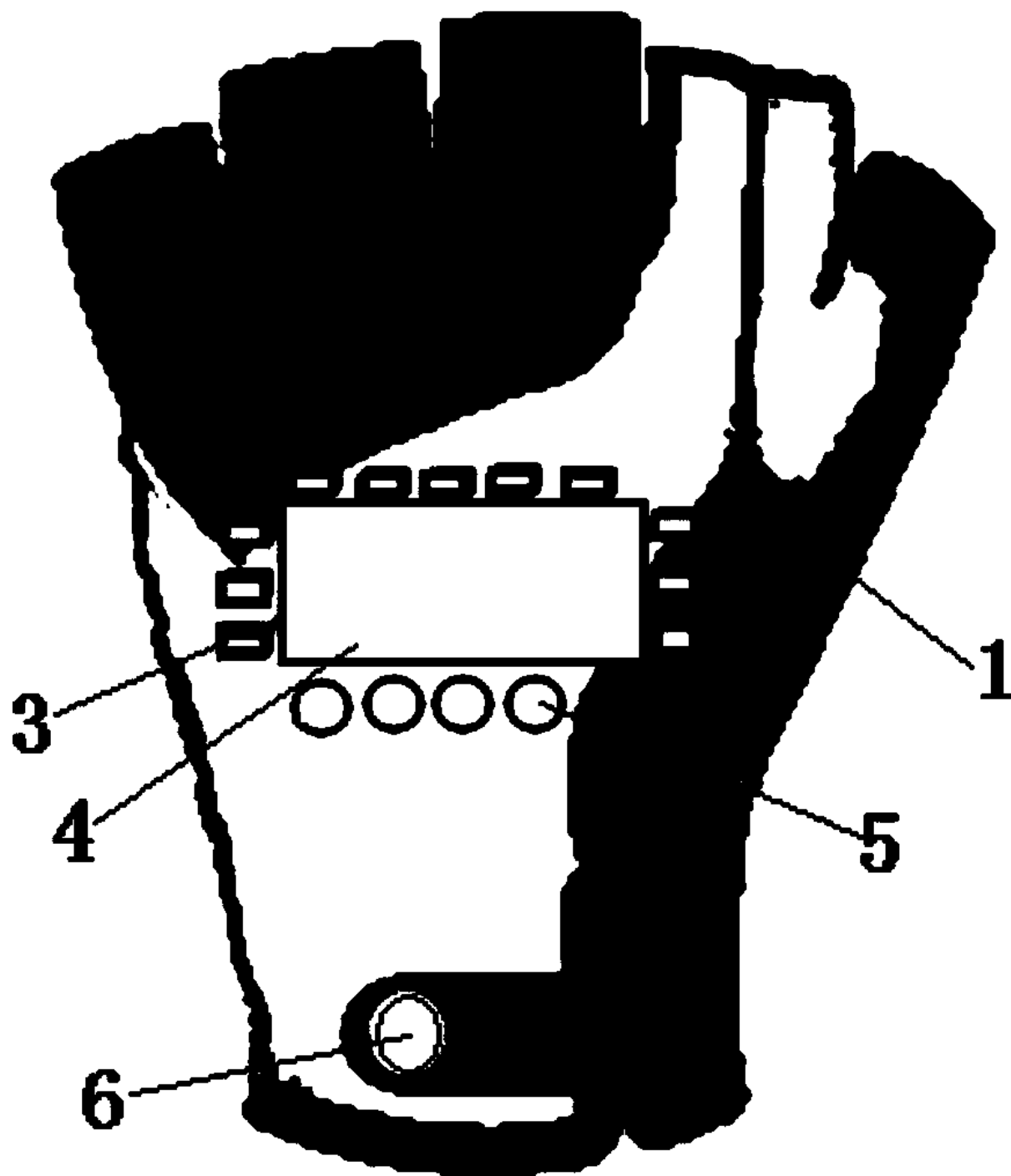
8 Documents

Publication numbers	Title	Current assignees
CN204351118U U	Sports type light changing type heart rate monitoring glove	CHINA UNIVERSITY OF GEOSCIENCES
JP07024143 A	Grapple game device	SEGA
GB201403692 D0	Mechanotherapeutic device and measurement method	TARTU HEALTH CARE COLLEGE, ...
WO201781497 A1	Device for digitizing and evaluating movement	AXS MOTIONSYSTEM KFT
CN207202115U U	Intelligent fall protection device	CHANG'AN UNIVERSITY
US20020017179 A1	Logic control for fast-acting safety system	SAWSTOP HOLDING
CA2878749 A1	Systems, computer medium and computer-implemented methods for monitoring health of employees using mobile devices	JOHNS HOPKINS ARAMCO HEALTHCARE, ...
US20170014640 A1	Portable, Pre-calibrated and Wearable Laser Device for Treating Pain and Inflammation	KARIGUDDAIAH ABIJITH

Family 1/8 - FAMPAT - ©Questel

Title

(CN204351118U)

Sports type light changing type heart rate monitoring **glove****Images****Publication data including kind & date**[CN204351118](#)

U

2015-05-27

CN204351118U

**Abstract**

(CN204351118U)

The utility model provides a sports type light changing type heart rate monitoring **glove** which at least comprises a **glove** body. A heart rate monitoring system is arranged on the **glove** body, the heart rate monitoring system is composed of an integrated circuit, a heart rate **sensor**, LED lamps, a display screen, keys and a battery, the battery is used for powering the heart rate monitoring system, a control chip is arranged in the integrated circuit, the heart rate **sensor** is arranged on the front face of the **glove** body, the LED lamp, the display screen, the keys and the battery are arranged on the back face of the **glove** body, and the heart rate **sensor** is located on the wrist, and can collect data of pulses and transmit the data to the

integrated circuit. The display screen is connected with the integrated circuit and carries out information displaying under control of the control chip. The LED lamps are connected with the integrated circuit and are changed into different colors along with changes of currents. The **glove** has the advantages of being suitable for being worn and used by sporters, novel in design, intelligent, high in response speed, environmentally friendly, convenient to operate and the like.

Inventors

LYU LIN

DU KUN

CHENG ZHUO

Latest standardized assignees - inventors removed

CHINA UNIVERSITY OF GEOSCIENCES

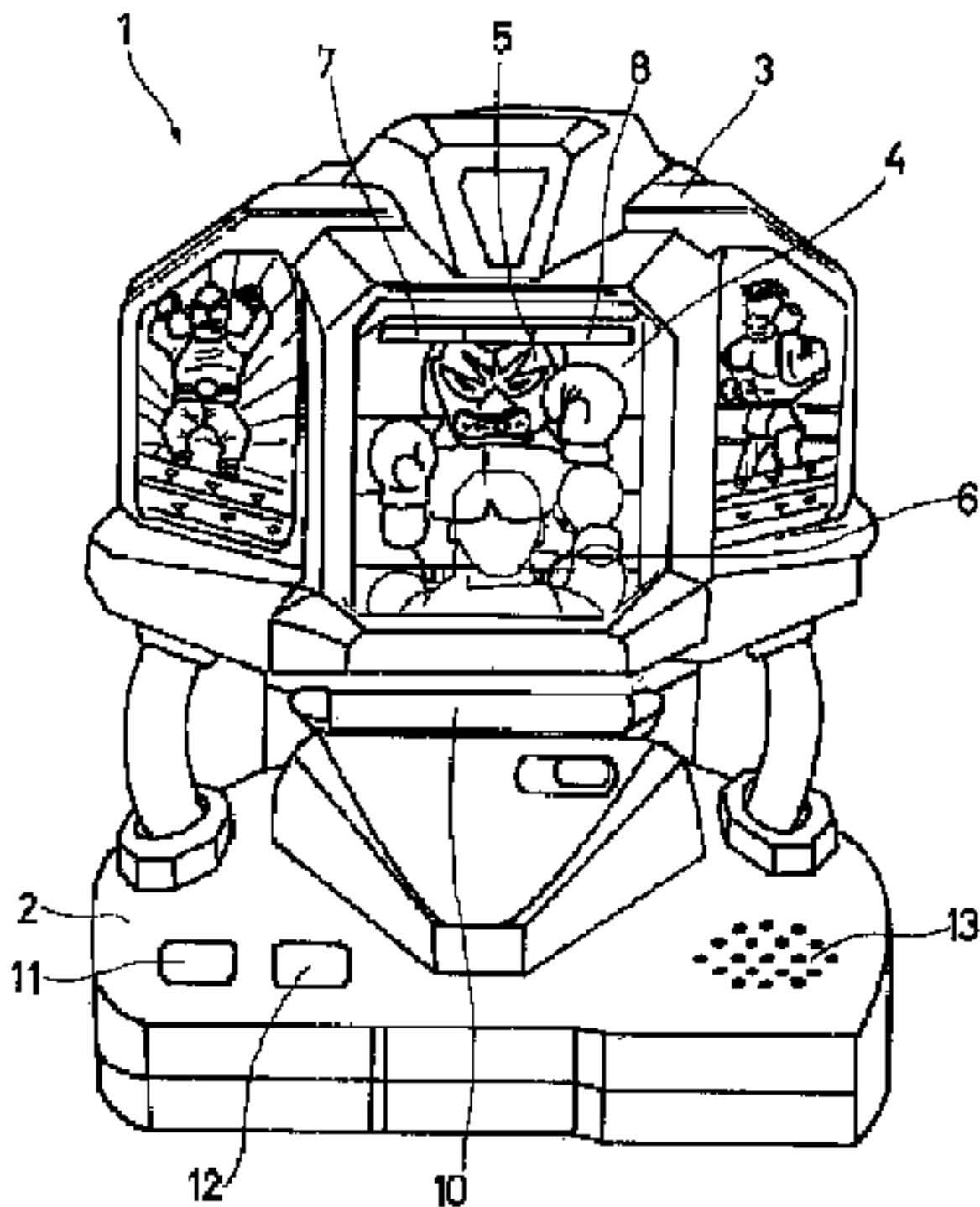
Family 2/8 - FAMPAT - ©Questel

Title

(JP07024143)

Grapple game device

Images



Publication data including kind & date

[JPH0724143](#)

A 1995-01-27 JP07024143

[JP3496686](#)

B2 2004-02-16 JP3496686



Abstract

(JP3496686)

PURPOSE:To obtain a grapple game device which enables to compete for a reflex nerve by providing an acceleration **sensor** in gloves which a player puts on, emitting infrared rays, based on an output of its **sensor**, and measuring the time until the infrared rays are photodetected after an attack is started.
CONSTITUTION:In the center of a display board 3 provided erectly on a housing 2, a liquid crystal **monitor** 4 is provided, an enemy character 5 in a figure of a boxer is displayed thereon, and also, an outline only of an ally character 6 for supposing a player is displayed. On the other hand, an

acceleration **sensor** is provided in gloves which the player puts on, and when the player puts on the gloves and gives a punch, a signal is outputted from the acceleration **sensor**, an infrared ray emitting part contained in the gloves is operated, and the emitted infrared rays are photodetected by an infrared ray photodetecting part 10 provided in front of the display board 3. Subsequently, when an attack is executed by the enemy character 5, the time until the player thrusts the **glove** in accordance with this attack is measured, and a speed of an attack of the player is decided.

Inventors

ENDO YOSHIYUKI

Latest standardized assignees - inventors removed

SEGA

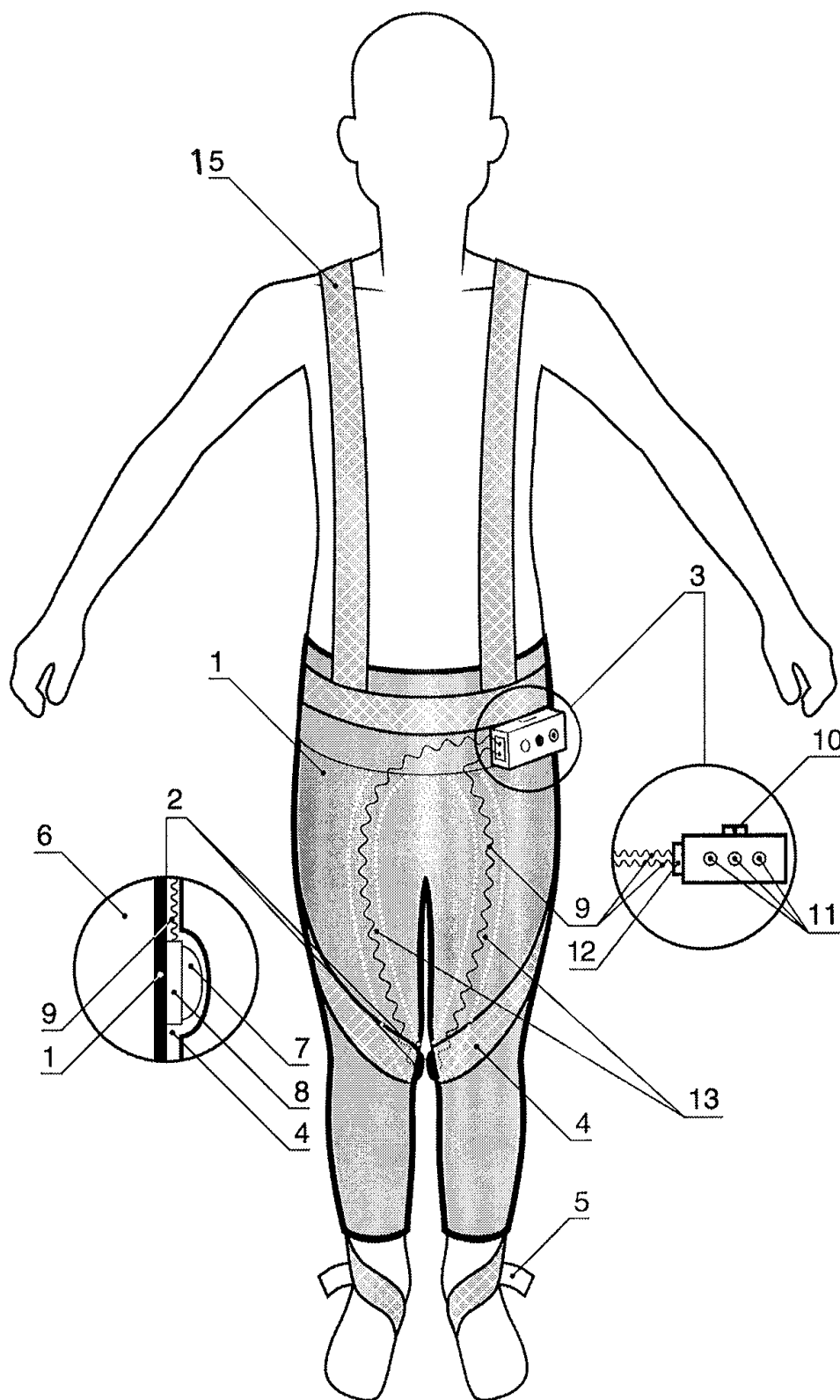
Family 3/8 - FAMPAT - ©Questel

Title

(EP3113729)

Mechanotherapy device and measurement method

Images



Publication data including kind & date

GB201403692	D0	2014-04-16	GB201403692
WO2015132269	A1	2015-09-11	WO2015132269
EP3113729	A1	2017-01-11	EP3113729
US2017071816	A1	2017-03-16	US20170071816



Abstract

(EP3113729)

A method and device for monitoring a treatment of posture of different body parts in which a local mechanotherapeutic

stimulus is applied to a subject (e.g. a human or animal).The device comprises an elastic material 1 which is to be worn over the part of the body, a pressure regulating support 4, a pressure applicator 7 and a pressure **sensor** 8.The support 4 is fixed to the elastic material 1 and passes over a region where mechanotherapeutic stimulus is to be applied and allows for tension in the support to be varied and to act on a convex rear face of the pressure applicator 7.The **sensor** 8 is rigidly attached to the pressure applicator 7 and they are together received in a pocket.The **sensor** senses pressure and hence a stimulus applied to the part as a result of the tension in the support, the **sensor** being configured to output a signal indicative of the pressure applied, providing the opportunity to change the stimulus to within a given range based on the feedback from the **sensor**.

Inventors

VAIN ARVED

LINKBERG REET

VAHER IVI

PARM ANNA-LIISA

Latest standardized assignees - inventors removed

TARTU HEALTH CARE COLLEGE

UNIVERSITY OF TARTU

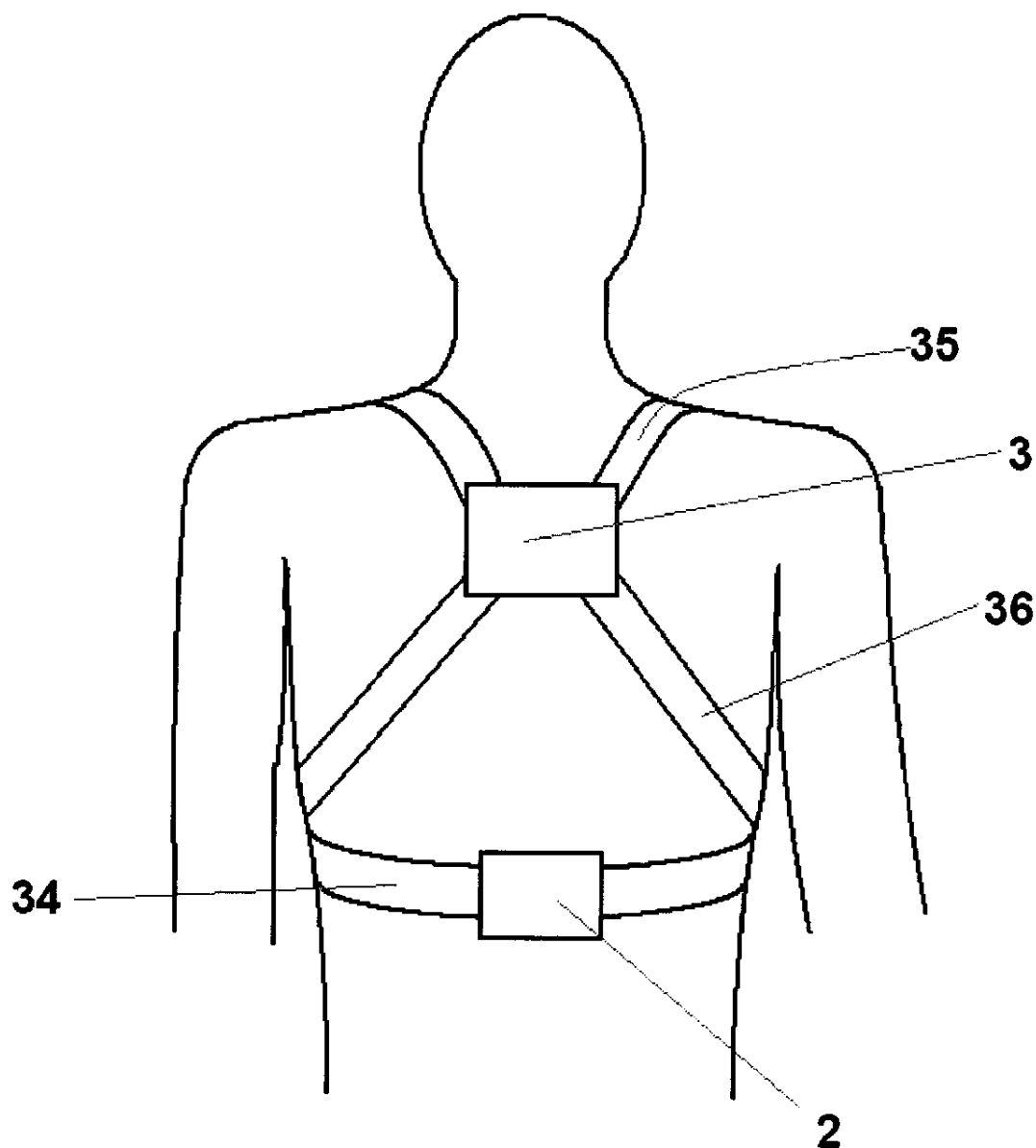
Family 4/8 - FAMPAT - ©Questel

Title

(WO201781497)

Device for digitizing and evaluating movement

Images

**Рис.15.****Publication data including kind & date**

WO2017081497	A1	2017-05-18	WO201781497
HU1500528	A2	2017-05-29	HU201500528

**Abstract**

(WO201781497)

A device for digitizing and calculating movement, which, in comparison with hitherto known devices, can shoot more accurately in many respects, or create movement files, even without an external reference signal. The main elements of the device are, apart from inertial measurement modules (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18) which are secured on separately moving body parts or elements of a person, living being or object under examination, modules for measuring pressure on feet (19, 20) and gloves (21, 22) for measuring pressure, using which it is also possible to accurately monitor movements with respect to change in position by means of a virtual skeletal system displayed by a programme. Due to the more accurate shooting of the movement, it is possible to dispense with the use of the magnetic orientation which was necessary in previous systems, or multiple-axis magnetometers. A belt-type waistcoat for more accurately securing body sensors on the back is also a part of the patent.

Inventors

SZÉKELY LAJOS

RABOCZKI ZOLTÁN

ANDOR LÁSZLÓ

Latest standardized assignees - inventors removed

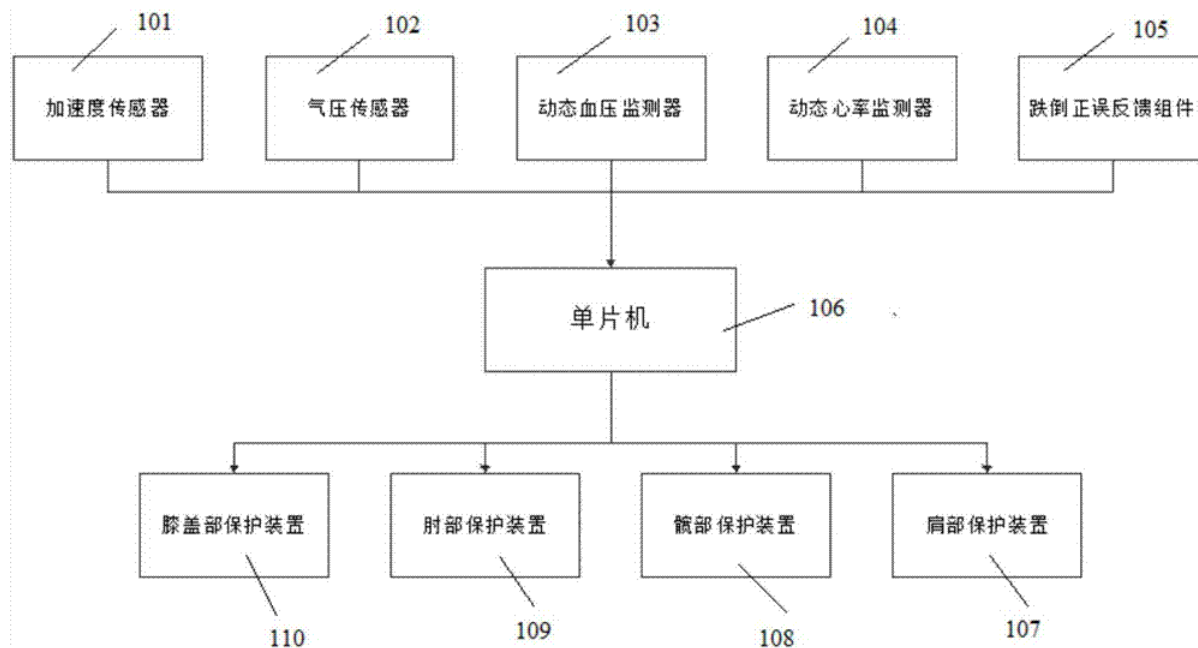
AXS MOTIONSYSTEM KFT

Family 5/8 - FAMPAT - ©Questel

Title

(CN207202115U)

Intelligent fall protection device

Images**Publication data including kind & date**

CN207202115

U

2018-04-10

CN207202115U

**Abstract**

(CN207202115U)

The present utility model discloses a fall intelligent protection device, object, reducing the rate of false, enhanced protection capability, and adopts the technical proposal is: comprising a wrist-worn device, respectively with the wrist-worn device and a shoulder protection device (107) of a wireless connection, hip protector (108), knee, elbow protection device (109) and protection device (110) disposed within the wrist-worn device comprises a single chip (106), on a wristband attached polymer lithium battery single (106) chip computer, single (106) chip is connected with an acceleration **sensor** (101), pressure **sensor** (102), a heart rate **monitor** (104), dynamic blood pressure (103) **monitor** and dynamically control terminal of (106) the single shoulder protection device (107) are wirelessly connected, hip protector (108), an elbow protection device (109) and the knee protector (110).

Inventors

SHU KUN

YANG ZHENGPO

DENG WEI

WU ZEJIAN

ZHANG CHAO

Latest standardized assignees - inventors removed

CHANG'AN UNIVERSITY

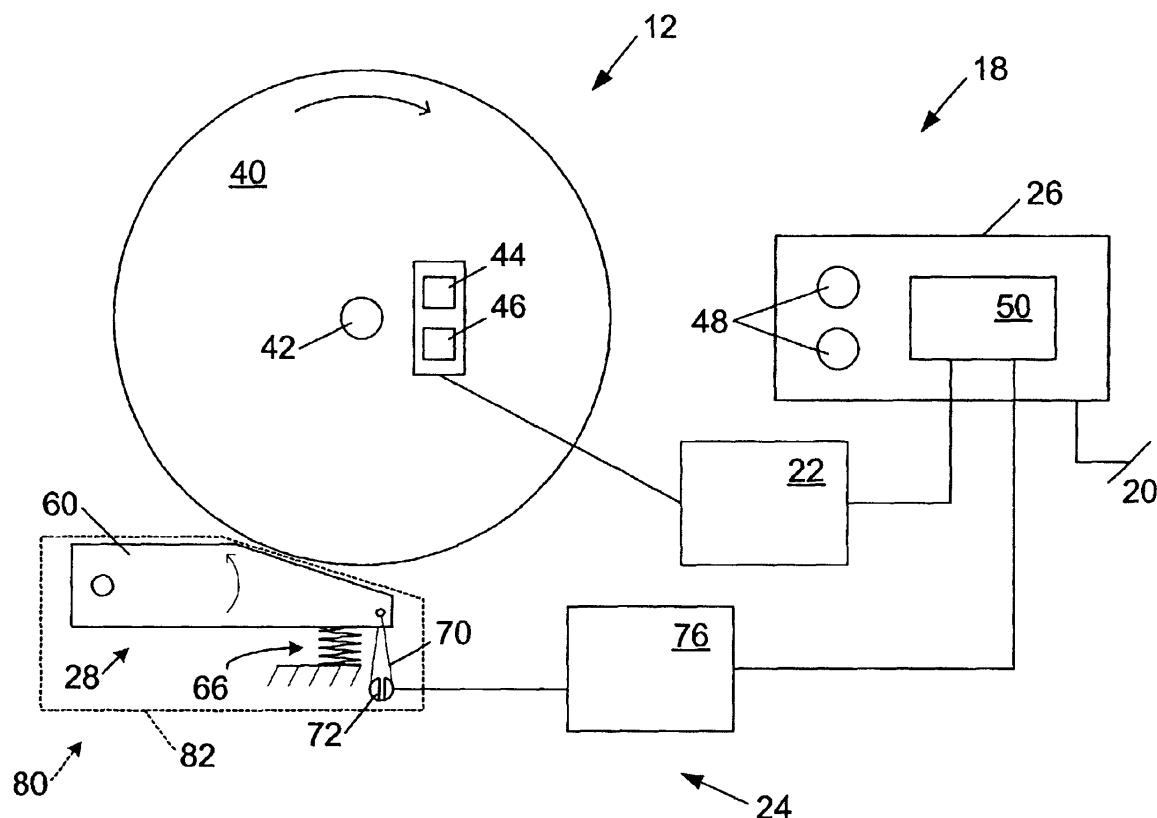
Family 6/8 - FAMPAT - ©Questel

Title

(US9038515)

Logic control for fast-acting safety system

Images



Publication data including kind & date

US2002017179	A1	2002-02-14	US20020017179
US2002017181	A1	2002-02-14	US20020017181
US2002017184	A1	2002-02-14	US20020017184
US2002017336	A1	2002-02-14	US20020017336
US2002017178	A1	2002-02-14	US20020017178
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US2002020261	A1	2002-02-21	US20020020261
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US7350444	B2	2008-04-01	US7350444				
US7353737	B2	2008-04-08	US7353737				
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US7509899	B2	2009-03-31	US7509899				
US7600455	B2	2009-10-13	US7600455				
US7610836	B2	2009-11-03	US7610836				
US7640837	B2	2010-01-05	US7640837				
US7640835	B2	2010-01-05	US7640835				
US7661343	B2	2010-02-16	US7661343				
US7681479	B2	2010-03-23	US7681479				
US2010089212	A1	2010-04-15	US20100089212				
US7698976	B2	2010-04-20	US7698976				
US2010132523	A1	2010-06-03	US20100132523				
US2010180739	A1	2010-07-22	US20100180739				
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US7788999	B2	2010-09-07	US7788999				
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US7908950	B2	2011-03-22	US7908950				
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US8011279	B2	2011-09-06	US8011279				
US2011239837	A1	2011-10-06	US20110239837				
US8051759	B2	2011-11-08	US8051759				
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US2012067181	A1	2012-03-22	US20120067181				
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US8151675	B2	2012-04-10	US8151675				
US2012125485	A1	2012-05-24	US20120125485				
US2012167732	A1	2012-07-05	US20120167732				
US2012260781	A1	2012-10-18	US20120260781				
US8371196	B2	2013-02-12	US8371196				
US8413559	B2	2013-04-09	US8413559				
US8438958	B2	2013-05-14	US8438958				
US8490527	B2	2013-07-23	US8490527				
US8522655	B2	2013-09-03	US8522655				
US2014165801	A1	2014-06-19	US20140165801				
US9038515	B2	2015-05-26	US9038515				

Abstract

(US9038515)

Woodworking machines with cutting tools and motors to drive the cutting tools are disclosed. The machines may be equipped with a detection system that detects a dangerous condition between the cutting tool and a person, and with a reaction system that performs a specified action upon detection of the dangerous condition. The machines also may be equipped with a control system that tests the operability of at least a portion of the detection system and/or the reaction system. The control system may disable the motor if the tested portion is inoperable.

Inventors

GASS STEPHEN F

Latest standardized assignees - inventors removed

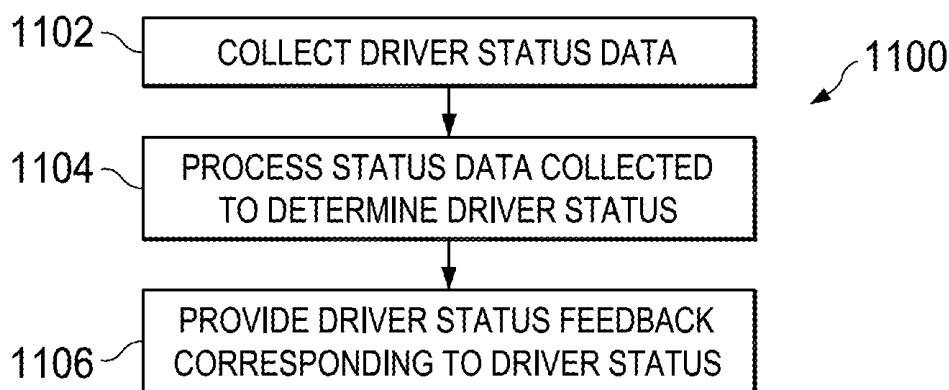
SAWSTOP HOLDING

Family 7/8 - FAMPAT - ©Questel

Title

(EP2729890)

Systems, computer medium and computer-implemented methods for monitoring health of employees using mobile devices

Images**Publication data including kind & date**

CA2878749	A1	2013-01-10	CA2878749
CA2840984	A1	2013-01-10	CA2840984
CA2840981	A1	2013-01-10	CA2840981
CA2840871	A1	2013-01-10	CA2840871
WO2013006644	A1	2013-01-10	WO201306644
WO2013006639	A1	2013-01-10	WO201306639
WO2013006642	A2	2013-01-10	WO201306642
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AU2012279054	A1	2014-01-23	AU2012279054
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CN103765426	A	2014-04-30	CN103765426
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CN103796892	A	2014-05-14	CN103796892
EP2729890			



	A1	2014-05-14	EP2729890				
EP2729889	A2	2014-05-14	EP2729889				
EP2729338	A1	2014-05-14	EP2729338				
JP2014520607	A	2014-08-25	JP2014520607				
JP2014523041	A	2014-09-08	JP2014523041				
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US8872640	B2	2014-10-28	US8872640				
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JP5728619	B2	2015-06-03	JP5728619				
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CN103796892	B	2016-08-24	CN103796892B				
CA2878749	C	2017-03-07	CA2878749				
JP2017111837	A	2017-06-22	JP2017111837				
CN103782300	B	2018-02-02	CN103782300B				

Abstract

(EP2729890)

Provided are embodiments of systems, computer medium and computer-implemented methods for monitoring the health of an employee. The method including collecting health data from a set of one or more health sensors provided on or near the employee while the employee is engaged in their work duties. The one or more health sensors configured to output health data corresponding to characteristics sensed by the **sensor**, the one or more health sensors comprising at least one or more biometric and biomechanic sensors configured to sense biometric and biomechanic characteristics of the employee with at least one of the one or more health sensors integrated within a mobile communications device. The health data collected being used to determine a health profile for the employee. The method including displaying, via the mobile communications device, a health report that includes the health profile for the employee.

Inventors

HORSEMAN SAMANTHA J

Latest standardized assignees - inventors removed

JOHNS HOPKINS ARAMCO HEALTHCARE

SAUDI ARABIAN OIL

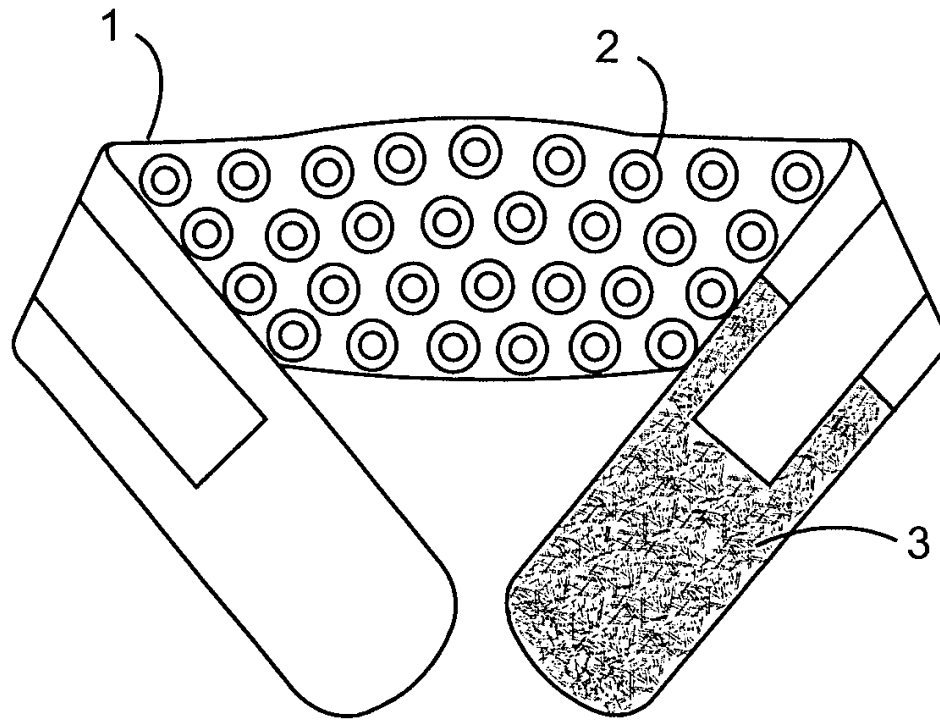
Family 8/8 - FAMPAT - ©Questel

Title

(US20170216617)

Portable, Pre-calibrated and Wearable Laser Device for Treating Pain and Inflammation

Images

**Publication data including kind & date**

US2017014640	A1	2017-01-19	US20170014640
US2017216617	A1	2017-08-03	US20170216617

**Abstract**

(US20170216617)

Various types of low level laser therapy (LLLT) wrap devices, methods of use, and a system comprising a mobile application, for the treatment of pain from musculoskeletal injuries or medical conditions, and to capture "patient's vitals". Each wrap is fitted to a specific body part (e.g. knee), lightweight, portable so that it is wearable beneath clothing; and with a battery-powered electrical circuit embedded within the wrap, comprising: a plurality of laser diodes to treat surface and/or deep tissue pain; sensors (e.g. safety and/or patient vital sign monitoring); and a wireless transceiver for transmitting data (**sensor** and patient pain levels) to a mobile application. The wrap may also function as an orthopedic support; and is pre-calibrated for a specific duration to deliver a clinical strength dosage from 630 nm to 904 nm that is specific to the medical disorder and/or the user anatomical area, with an automatic shut-off after dose delivery.

Inventors

KARIGUDDAIAH ABIJITH