

1) Family number: 53522100 (US2014276130A)

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Title: VIRTUAL REALITY FOR MOVEMENT DISORDER DIAGNOSIS AND/OR TREATMENT

Abstract: Methods and/or systems for diagnosing, monitoring and/or treating persons at risk for falling and/or other pathological conditions. In an exemplary embodiment of the invention, people are diagnosed before they actually start falling. Optionally, the diagnosis includes trying out and identifying one or more fall triggers using virtual reality tools. Optionally or alternatively, treatment includes **training** the persons using situations and/or triggers which are determined to be relevant for that person.

Classifications:

International (IPC 8-9): A61B A61B5/00 A61B5/0205 A61B5/026 A61B5/0476 A61B5/103 A61B5/11 A61B5/16 A63B22/02 G06F19/00 (Advanced/Invention); A61B5/0205 A61B5/026 A61B5/0484 (Advanced/Non-invention); A61B (Subclass/Invention)

CPC: A61B5/162 A61B5/0476 A61B5/112 A61B5/1104 A61B5/1117 A61B5/0205 A61B5/026 A61B5/04842 A61B5/1118 A61B5/7203 A61B5/7257 A61B5/744 A61B2505/09 G06F19/00

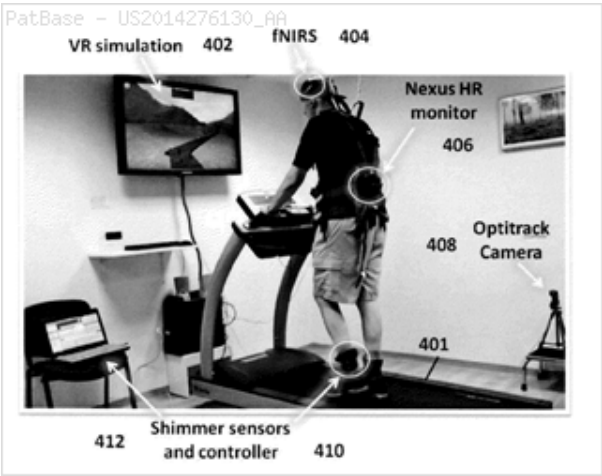
US: 600/483 600/504 600/544 600/595

Family:

Publication number	Publication date	Application number	Application date
CA2851443 AA	20140408	CA20122851443	20121009
EP2763588 A1	20140813	EP20120839495	20121009
EP2763588 A4	20150617	EP20120839495	20121009
IL231996 A0	20140528	IL20140231996	20140408
US2014276130 AA	20140918	US20120350567	20121009
US2014303508 AA	20141009	US20120350569	20121009
US2017258370 AA	20170914	US20170607548	20170529
US9943250 BB	20180417	US20120350569	20121009
US10231648 BB	20190319	US20170607548	20170529
WO13054257 A1	20130418	WO2012IB55453	20121009
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Priority:

US20110545161P 20111009 US20110545164P 20111009 US20120350567 20121009
US20120350569 20121009 WO2012IB55453 20121009 WO2012IB55454 20121009



US20140350569 20140409 US20170607548 20170529

Probable Assignee: MEDICAL RESEARCH INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CENTER

Assignee(s): (std): JEFFREY M HAUSDORFF ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND OF THE TEL AVIV MEDICAL CT ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CT ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICE FUND OF TEL AVIV MEDICAL CT ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND TEL AVIV MEDICAL CT ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CENTER ; MEDICAL RES INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CENTER ; ANAT MIRELMAN ; NIR GILADI

Assignee(s): MEDICAL RESEARCH INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CENTER ; MEDICAL RESEARCH INFRASTRUCTURE AND HEALTH SERVICE FUND OF TEL AVIV MEDICAL CENTER ; GILADI NIR ; HAUSDORFF JEFFREY M ; THE MEDICAL RESEARCH INFRASTRUCTURE AND HEALTH SERVICES FUND OF THE TEL AVIV MEDICAL CENTER ; MIRELMAN ANAT ; MEDICAL RESEARCH INFRASTRUCTURE AND HEALTH SERVICES FUND OF TEL AVIV MEDICAL CENTER

Inventor(s): (std): GILADI NIR ; HAUSDORFF JEFFREY M ; HUASDORFF JEFFREY M ; MIRELMAN ANAT ; PLOTNIK PELEG MEIR

Inventor(s): ANAT MIRELMAN ; NIR GILADI ; JEFFREY M HAUSDORFF

Agent(s): INTEGRAL IP; DENNEMEYER AND ASSOCIATES SA; GE EHRLICH 1995 LTD ET AL

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 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 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

2) Family number: 45914564 (US2010167875A)

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Title: CHASING **TRAINING** DEVICE

Abstract: An **athletic training** device to develop **speed** and agility. A robot can be programmed or remote **controlled** to move in an erratic manner so that it can be chased by an **athlete**. An on-board shut-off unit stops the device when it is removed by the **athlete** chasing the device.

Classifications:

International (IPC 8-9): A63B22/20

A63B24/00 A63B26/00 A63B69/00 A63B71/02 (Advanced/Invention);

A63B24/00 A63B26/00 (Core/Invention)

CPC: A63B71/06 A63B2071/0072 A63B2071/0081 A63B2071/0683 A63B2220/12

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A63B2071/025 A63B2220/833 A63B2220/836 A63B2230/045 A63B2230/305

A63B2230/435 A63B2230/438 A63B2230/655 A63B2230/705 A63B2230/755 A63H17/00

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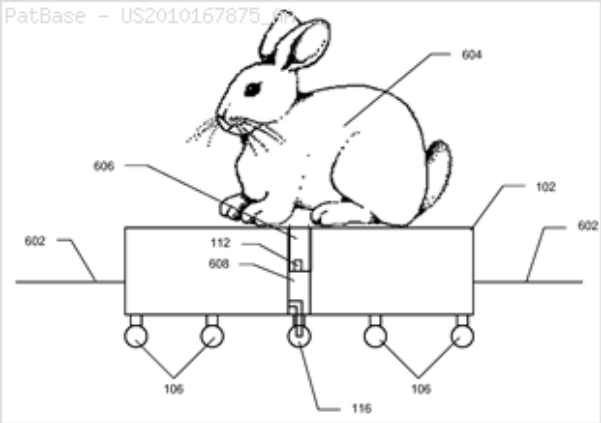
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European: A63B69/00N2 K63B22/20 K63B225/20 K63B225/60B

US: 482/1 482/148 482/4 482/4P 482/7 482/8 482/9 482/901

Family:

Publication number	Publication date	Application number	Application date
AU2009329891 AA	20100701	AU20090329891	20091223
CA2748136 AA	20110622	CA20092748136	20091223
EP2379179 A2	20111026	EP20090835877	20091223
EP2379179 A4	20130925	EP20090835877	20091223
EP2379179 B1	20181121	EP20090835877	20091223
MX2011006855 A1	20120125	MX20110006855	20091223
SG172238 A1	20110728	SG20110044609	20091223
US2010167875 AA	20100701	US20090646899	20091223
US2012021871 AA	20120126	US20110163476	20110617
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US2015094190 AA	20150402	US20140509456	20141008
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Priority:

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 US20110163476 20110617 US20110339805 20111229 US20130098411 20131205
 US20140204578 20140311 US20140509456 20141008

Probable Assignee: BAUMGARTEN EVAN**Assignee(s):** (std): BAUMGARTEN EVAN ; EVAN BAUMGARTEN ;
 MAZZANOBILO PAUL ; PAUL MAZZANOBILO ; HOME TOWN
 SPORTS LLC**Inventor(s):** (std): BAUMGARTEN EVAN ; EVAN BAUMGARTEN ;
 MAZZANOBILO PAUL ; PAUL MAZZANOBILO**Agent(s):** FB RICE; FB RICE PTY LTD; GOWLING LAFLEUR
 HENDERSON LLP; BERESKIN AND PARR LLP SENCRL SRL;
 BAKER COLIN JOHN; POTTER CLARKSON LLP; WEST AND
 ASSOCIATES A PC; CHARLOTTE; STUART J; K AND L
 GATES LLP; C RACHAL; WEST STUART; WINGER C
 RACHAL ET AL**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 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 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

3) Family number: 59340689 (US2018028810A)

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Title: SYSTEM FOR **CONTROLLING** STIMULATION IMPULSES

Abstract: A system for **controlling** stimulation impulses, including at least one **control** unit and one item of clothing having a plurality of electrodes for electro-stimulation. The **control** unit is configured to carry out electro-stimulation with defined parameters at different electrodes and, during a **training** session, different parameters can be produced at different electrodes by said **control** unit.

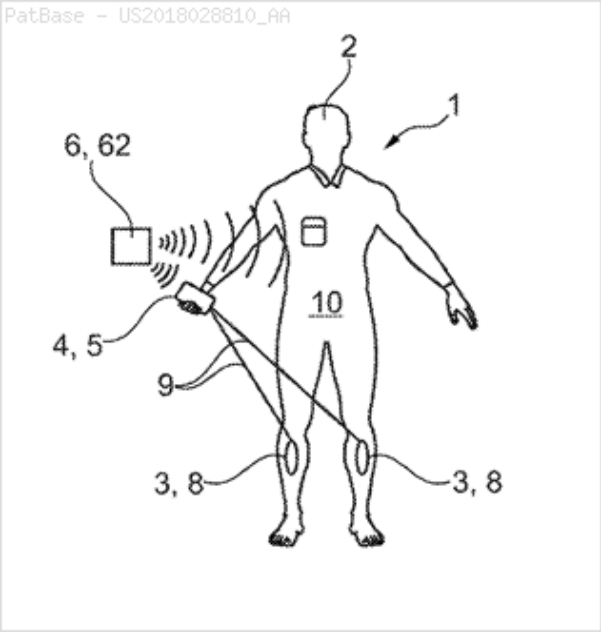
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A61B5/0492 A61B5/053 A61B5/11
A61B5/145 A61H23/00 A61H39/00 A61N1/02 A61N1/04 A61N1/18 A61N1/32 A61N1/36
A61N1/372 A63B24/00 A63B71/06 G01S19/19 G06F19/00 G06F3/01 (Advanced/Invention);
A61B5/00 A61H23/00 A63B24/00 (Advanced/Non-invention)

CPC: A61B5/0492 A61N1/0476 A61H23/02 A61H2201/0207 A61H2201/10 A61H2201/165
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A61B5/0404 G06F3/011 A61H23/00 A63B24/0062 A63B71/0622 A63B2071/0636
A63B2213/004 G06F19/30 A61N1/36031 A61B5/4836 A41D1/002 A61B5/0488 A61B5/053
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G01S19/19 G06F3/015 G06F3/016 G06F19/3481 G16H50/20 A61N1/36003 A61N1/0452
A61N1/0484 A61N1/37247 A41D13/0015

Family:

Publication number	Publication date	Application number	Application date
CN107529995 A	20180102	CN201680022575	20160218
CN107530540 A	20180102	CN201680022595	20160218



CN107530545 A	20180102	CN201680022606	20160218
DE102015002565 A1	20160901	DE201510002565	20150227
DE202015001313 U1	20150528	DE201520001313U	20150218
DE202015005645 U1	20151217	DE201520005645U	20150814
EP3259016 A2	20171227	EP20160705772	20160218
EP3259018 A1	20171227	EP20160705182	20160218
EP3259026 A1	20171227	EP20160705925	20160218
IN201717032057 A	20171201	IN201717032057	20170911
IN201717032481 A	20171208	IN201717032481	20170913
IN201717032742 A	20171222	IN201717032742	20170915
US2018028810 AA	20180201	US20160551980	20160218
US2018036531 AA	20180208	US20160551958	20160218
US2018093095 AA	20180405	US20160552003	20160218
WO16131926 A1	20160825	WO2016EP53473	20160218
WO16131935 A1	20160825	WO2016EP53489	20160218
WO16131936 A2	20160825	WO2016EP53490	20160218
WO16131936 A3	20161222	WO2016EP53490	20160218

Priority:

DE201520001313U 20150218 DE201510002484 20150227 DE201510002565 20150227
 DE201520005645U 20150814 WO2016EP00236 20160212 WO2016EP00235 20160212
 WO2016EP00237 20160212 WO2016EP53489 20160218 WO2016EP53473 20160218
 WO2016EP53490 20160218

Probable Assignee: WEARABLE LIFE SCIENCE GMBH

Assignee(s): (std): KOUACHE NORDIN ; TALL RONGE ; WEARABLE LIFE SCIENCE GMBH

Assignee(s): TALL ; KOUACHE

Inventor(s): (std): THUMM PATRICK ; SYRNICKI PAUL ; SCHWARZ PHILIPP G ; RATHSCHLAG KAY ; MEHBOOB SHAHID ; KOUACHE NORDIN

Agent(s): FUCHS PATENTANWALTE PARTNERSCHAFT MBB

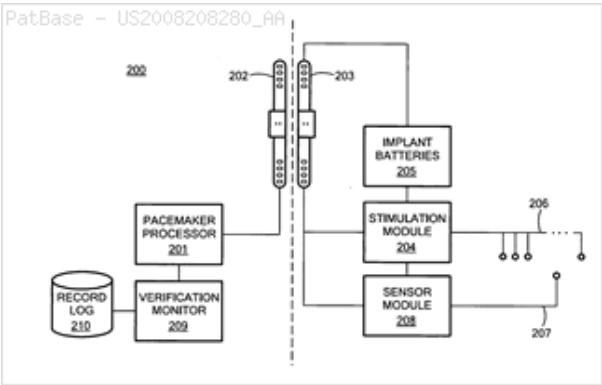
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4) Family number: 41975671 (US2008208280A)

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Title: EQUINE AIRWAY DISORDERS

Abstract: Airway disorders in a horse are relieved by electrical stimulation of the airway tissue. Particular disorders and techniques include electrical stimulation to relieve laryngeal hemiplegia. A **pacemaker** processor generates an electrical treatment signal to be applied to upper airway tissue of the horse for treating the upper airway disorder. One or more stimulation electrodes interfaces with the upper airway tissue for delivering the treatment signal to the upper airway tissue.



Classifications:

International (IPC 8-9): A61B A61B5/00 A61B5/04 A61B5/0476 A61B5/0488 A61B5/08 A61B5/085 A61B5/11 A61B7/00 A61D1/00 A61D17/00 A61D99/00 A61N A61N1/00 A61N1/05 A61N1/18 A61N1/32 A61N1/36 A61N1/362 A61N1/372 (Advanced/Invention); A61B5/024 A61B5/0476 A61B5/0488 A61B5/08 A61B5/085 A61B5/11 A61B7/00 A61N1/05 A61N1/36 A61N1/372 (Advanced/Non-invention); A61B5/04 A61D1/00 A61D99/00 A61N1/00 A61N1/36 A61N1/362 (Core/Invention); A61N1/05 A61N1/36 (Core/Non-invention); A61N (Subclass/Invention)

International (IPC 1-7): A61B5/04

CPC: A61N1/36139 A61D99/00 A61N1/3601 A61B5/04886 A61B5/085 A61B5/1118 A61B5/4848 A61B5/4863 A61B7/003 A61B2562/0247 A61B2562/0261 A61N1/0556 A61B5/024 A61B5/0476 A61B5/0488 A61B5/0816 A61B5/4836 A61B2503/40 A61D1/00 A61N1/0502 A61N1/0553 A61N1/0558 A61N1/3611 A61N1/37282

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US: 1/1 119/174 119/174S 607/42 607/42P

JP F-Term: 4C053 4C053/CC10 4C053/JJ01 4C102 4C053/JJ40

JP F-Index: A61D1/00/Z A61N1/05 A61N1/36 A61N1/32

Family:

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AU2007336787 AA	20080703	AU20070336787	20071221
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EP2926728 A1	20151007	EP20150163600	20071221
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Priority:

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GMBH

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SEHNDERS IRA ; WERNER LINDENTHALER ; DJUSHARM
NORM G

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ITHACA ; NORM G DUCHARME

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DOWNING MICHAEL PHILIP; MACLEAN MARTIN DAVID;
CHINA SINDA INTELLECTUAL PROPERTY LTD; BROMBERG
AND SUNSTEIN LLP; SUNSTEIN KANN MURPHY AND
TIMBERS LLP; SUNSTEIN BRUCE D ET AL

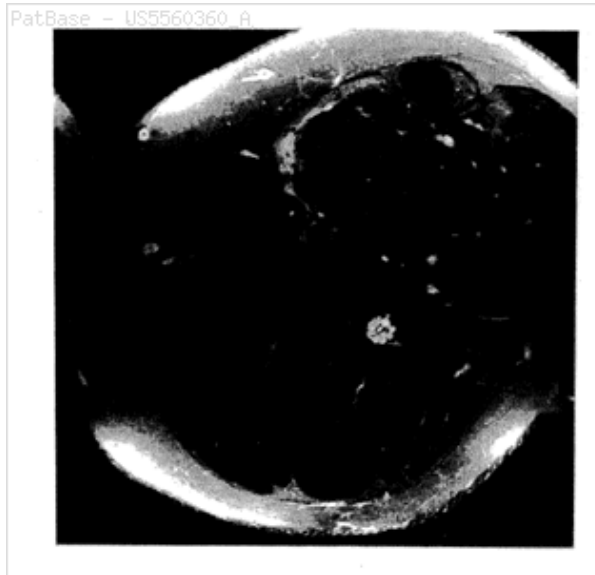
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TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 29363212 (US5560360A)

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Title: Image neurography and diffusion anisotropy imaging

Abstract: A neurography system (10) is disclosed for generating diagnostically useful images of neural tissue (i.e., neurograms) employing a modified magnetic resonance imaging system (14). In one embodiment, the neurography system selectively images neural tissue by employing one or more gradients to discriminate diffusion anisotropy in the tissue and further enhances the image by suppressing the contribution of fat to the image. The neurography system is part of a broader medical system (12), which may include



an auxiliary data collection system (22), diagnostic system (24), therapeutic system (26), surgical system (28), and **training** system (30). These various systems are all constructed to take advantage of the information provided by the neurography system regarding neural networks, which information was heretofore unavailable.

Classifications:

International (IPC 8-9): A61B5/055 G01N33/48 G01R33/34 G01R33/38 G01R33/385 G01R33/48 G01R33/483 G01R33/56 G01R33/563 G01V3/14 H01F5/00 (Advanced/Invention);

A61B5/055 H01F5/00 (Advanced/Non-invention);

A61B5/055 G01R33/34 G01R33/38 G01R33/54 H01F5/00 (Core/Invention)

International (IPC 1-7): A61B5/055 G01N33/48 G01R33/34 G01R33/38 G01R33/48 G01R33/483 G01R33/56 H01F5/00

CPC: G01R33/56341 G01R33/34084 G01R33/34 G01R33/3806 G01R33/385

European: G01R33/34 G01R33/34G G01R33/385 G01R33/38F G01R33/563C S01R33/563C

US: 128/653.2 128/653.5 324/307 324/318 600/408 600/422

JP F-Term: 2G044 4C096 4C096/AA07 4C096/AA10 4C096/AA17 4C096/AB41 4C096/AC10 4C096/AD06 4C096/AD12 4C096/AD14 4C096/BA04 4C096/BA37 4C096/CC06 4C096/DC11 4C096/DC18 4C096/DC28 4C096/DC33 4C096/DC36 4C096/AA20 4C096/AB32 4C096/AB46 4C096/AD08 4C096/AD09 4C096/AD10 4C096/BA41 4C096/CA23 4C096/CA29 4C096/CA35 4C096/CB07 4C096/CC03 4C096/CC08 4C096/CC12 4C096/EB07 5E053

JP F-Index: A61B5/05/311 A61B5/05/382 A61B5/055/311 A61B5/055/382 G01N24/08/510/Y A61B5/05/340 A61B5/05/355 A61B5/055/340 A61B5/055/355 H01F5/00/C

Family:

Publication number	Publication date	Application number	Application date
AT165449 E	19980515	AT19940919373T	19940606
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US5706813 A	19980113	US19970819949	19970318
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HOSP MEDICAL SCHOOL

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TRUST LONDON GB ; ST GEORGE"S HOSPITAL MEDICAL ;
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WASHINGTON UNIV OF ; WELLCOME TRUST LTD ; ST
GEORGE'S HOSPITAL MEDICAL SCHOOL ; UNIVERSITY OF
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CANCER RESEARCH CAMPAIGN TECHNOLOGY LTD ;
CANCER RESEARCH CAMPAIGN TECHNOLOGY LTD
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WASHINGTON ST GEORGE S UNIV ; OF WASHINGTON
SEATTLE WA UNIV ; ST GEORGE S HOSPITAL MEDICAL
CRANMER TERRCE LONDON ; OF WASHINGTON ST
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HOSPITAL MEDICAL ; ST GEORG S HOSPITAL MEDICAL
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Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS;
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ATTORNEYS PTY LTD; SMART AND BIGGAR

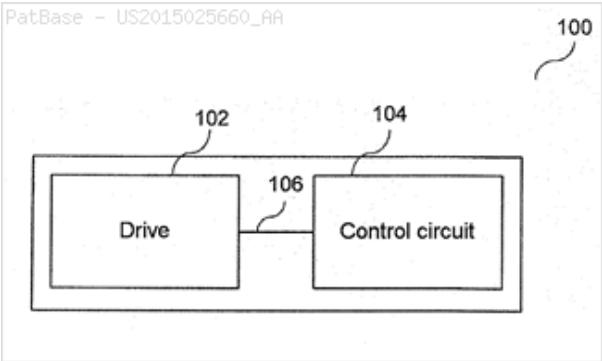
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RO RU SD SE SI SK SN TD TG TT UA US UZ VN

6) Family number: 52583848 (US2015025660A)

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Title: TRAINING DEVICES, ATTACHMENT SETS, CONTROL CIRCUITS AND METHOD FOR CONTROLLING A TRAINING DEVICE

Abstract: The invention relates to a training device, which can comprise a drive that can be configured for the locomotion of the training device and a control circuit that can comprise an interface configured for receiving a physiological parameter of a user of the training device. The control circuit can be configured to specify a speed of the drive based on the received physiological parameter.



Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A63B21/06 A63B23/04 A63B24/00 A63B69/00 A63B71/06 A63F9/24 (Advanced/Invention)

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European: A63B21/06F A63B23/04B10 A63B24/00G A63B69/00J K63B230/04A K63B230/08A K63B230/20A K63B230/20B2 K63B230/30A K63B230/40A K63B230/42A K63B230/43A K63B230/50A K63B230/70A K63B230/75A

US: 1/1 700/91

Family:

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DE102011051054 A1	20121220	DE201110051054	20110614
DE102011051054 B4	20130523	DE201110051054	20110614
DE102011122905 B3	20150521	DE201110122905	20110614
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EP2720764 A1	20140423	EP20120733612	20120613
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US2015025660 AA	20150122	US20120126133	20120613
US9370706 BB	20160621	US20120126133	20120613
WO12171956 A1	20121220	WO2012EP61199	20120613

Priority:

DE201110051054 20110614 DE201110122905 20110614 WO2012EP61199 20120613 EP20120733612 20120613

Probable Assignee: LOCOMOTEC UG HAFTUNGSBESCHRANKT

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US HAFTUNGSBESCHRANKT ; NOWAK WALTER ;
ZIMMERMANN THILO ; ZAKHAROV ALEXEY ; PRASSLER
ERWIN

Inventor(s): (std): BLUMENTHAL SEBASTIAN ; NOWAK WALTER ; PRASSLER
ERWIN ; ZAKHAROV ALEXEY ; ZIMMERMANN THILO

Agent(s): VIERING JENTSCHURA AND PARTNER MBB PATENT U
RECHTSANWAELTE; VIERING JENTSCHURA AND PARTNER
PATENT U RECHTSANWAELTE; BARNES AND THORNBURG
LLP; VIERING JENTSCHURA AND PARTNER

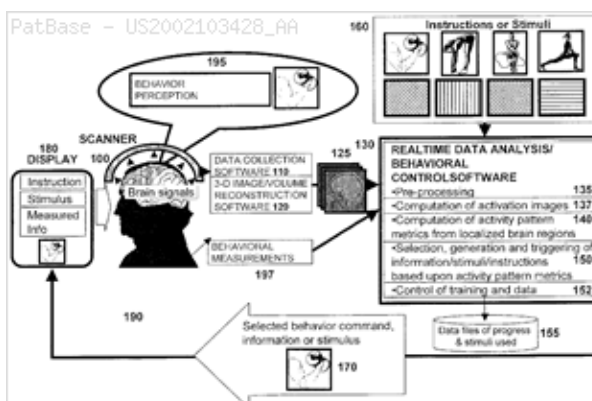
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KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG
MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ
OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK
SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA
UG US UZ VC VN ZA ZM ZW

7) Family number: 28248948 (US2002103428A)

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Title: METHODS FOR PHYSIOLOGICAL MONITORING, **TRAINING**, EXERCISE AND REGULATION

Abstract: Computer executable software and device for guiding brain activity **training** comprising: logic which takes data corresponding to activity measurements of one or more internal voxels of a brain and determines one or more members of the group consisting of: a) what next stimulus to communicate to the subject, b) what next behavior to instruct the subject to perform, c) when a subject is to be exposed to a next stimulus, d) when the subject is to perform a next behavior, e) one or more activity metrics computed from the measured activity, f) a spatial pattern computed from the measured activity, g) a location of a region of interest computed from the measured activity, h) performance targets that a subject is to achieve computed from the measured activity, i) a performance measure of a subject's success computed from the measured activity, j) a subject's position relative to an activity measurement instrument; and logic for communicating information based on the determinations to the subject in substantially real time relative to when the activity is measured.

**Classifications:****International (IPC 8-9):** A61B5/00 A61B5/0205 A61B5/04 A61B5/055 A61B5/11 A61B5/16

G06K9/00 G09B19/00 G09B23/28 (Advanced/Invention);

A61B6/00 (Advanced/Non-invention);

A61B5/0205 A61B5/04 A61B5/055 A61B5/16 G06K9/00 (Core/Invention);

A61B6/00 (Core/Non-invention)

International (IPC 1-7): A61B5/00 A61B5/05 A61B5/055 G01T**CPC:** A61B5/7425 A61B5/743 A61B5/486 A61B5/4519 A61B5/4094 A61B5/16 A61B5/7285

A61B6/541 A61B8/543 A61B8/0808 G09B19/00 A61B5/0042 A61B5/4824 A61B5/4848

A61B5/4839 A61B5/11 A61B5/7271 A61B5/74 A61B5/4064 A61B2560/0475 A61B5/055

European: A61B5/055 A61B5/16 A61B5/40F6 A61B5/48S K61B5/45F K61B5/72M8

K61B6/54B K61B8/54B

US: 378/4 382/128 382/128P 382/131 382/154 434/236 434/262 434/262P 600/300

600/300P 600/407 600/410 600/410P 600/411 600/418 600/545 600/545P

Family:

Publication number	Publication date	Application number	Application date
AT539681 E	20120115	AT20020706085T	20020130
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CA2434966 AA	20030715	CA20022434966	20020130

DE60241889 D1	20120308	DE20026041889	20020130
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EP1363535 A4	20070411	EP20020706085	20020130
EP1363535 B1	20120104	EP20020706085	20020130
US2002103428 AA	20020801	US20020062627	20020130
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US2013012804 AA	20130110	US20120366244	20120203
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WO02061457 A2	20020808	WO2002US02767	20020130
WO02061457 A3	20021017	WO2002US02767	20020130

Priority:

US20010265204P 20010130 US20010265214P 20010130 US20010350211P 20011102
 EP20020706085 20020130 US20020062627 20020130 US20020066004 20020130
 WO2002US02767 20020130 US20040569189P 20040507 US20050125853 20050509
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Probable Assignee: DECHARMS R CHRISTOPHER**Assignee(s):** (std): DECHARMS CHRISTOPHER ; DECHARMS R C ; DECHARMS R CHRISTOPHER ; DECHARMS RICHARD C ; DECHARMS RICHARD CHRISTOPHER**Assignee(s):** DECHARMS R CHRISTOPHER HALF MOON BAY ; DECHARMS CHRISTOPHER R ; DECHARMS R**Inventor(s):** (std): DECHARMS CHRISTOPHER R ; DECHARMS R C ; DECHARMS R CHRISTOPHER ; DECHARMS RICHARD C ; R CHRISTOPHER DECHARMS ; DECHARMS RICHARD CHRISTOPHER**Inventor(s):** DECHARMS R CHRISOPHER ; DECHARMS R CHRISTOPHER HALF MOON BAY ; DECHARMS R

Agent(s): FETHERSTONHAUGH AND CO; HASELTINE LAKE LLP;
CHEYNE JOHN ROBERT ALEXANDER M; WILSON SONSINI
GOODRICH AND ROSATI

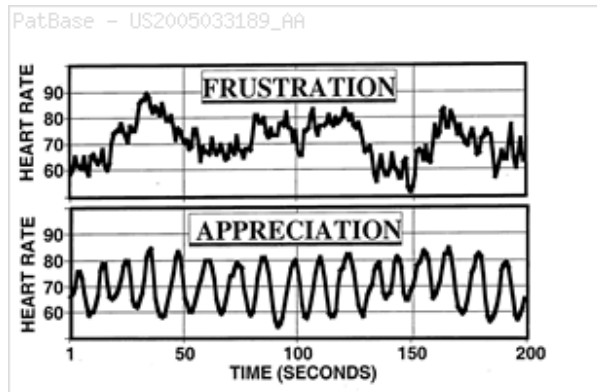
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RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ
UA UG US UZ VN YU ZA ZM ZW

8) Family number: 20691925 (US2005033189A)

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Title: ELECTROPHYSIOLOGICAL INTUITION INDICATOR

Abstract: Systems and methods for electrophysiological detection and measurement of intuition are disclosed. In one embodiment, one or more electrophysiological properties of one or more individuals are monitored and used as an indication of a future event. In one embodiment, the electrophysiological property may include heart rate variability, brain wave activity, respiration pattern, skin conductance level, etc. In another embodiment, a signal averaging technique is used to generate a waveform that may be used as an indicator of future events.

**Classifications:**

International (IPC 8-9): A61B A61B5/00 A61B5/02 A61B5/0205 A61B5/024 A61B5/0245 A61B5/04 A61B5/0402 A61B5/0452 A61B5/0476 A61B5/0482 A61B5/0484 A61B5/05 A61B5/053 A61B5/08 A61B5/16 A61M21/00 A61M21/02 A61N A61N1/00 A63F13/00 A63F13/212 A63F13/30 A63F13/34 A63F13/40 A63F13/50 A63F13/847 (Advanced/Invention); A61B5/00 A61B5/02 A61B5/0245 A61B5/0402 A61B5/0476 A61B5/053 A61B5/16 (Advanced/Non-invention); A61B5/00 A61B5/02 A61B5/024 A61B5/04 A61B5/0402 A61B5/0476 A61B5/08 A61B5/16 A61M21/00 A61N1/00 A63F13/00 (Core/Invention); A61B5/16 (Core/Non-invention); A61B A61N (Subclass/Invention)

International (IPC 1-7): A61B1/00 A61B5/00 A61B5/02 A61B5/0205 A61B5/04 A61B5/08 A61N1/00 G01N1/00

CPC: A61B5/02438 A61B5/0404 A63B23/185 A63B24/0075 A63B2230/04 A61M21/00 A61M2021/0061 A61B5/4047 A61B5/4029 A61B5/0816 A61B5/162 A61B5/165 A61B5/0476 A61B5/0531 A61B5/0452 A63F13/212 A63F13/30 A63F13/34 A63F13/40 A63F13/50 A63F13/847 A61B5/4035 A61B5/024 A61B5/02405 A61B5/02416 A61B5/0245 A61B5/486 A61B5/16

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Priority:

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Probable Assignee: QUANTUM INTECH INC

Assignee(s): (std): CHILDRE DOC L ; DOC L CHILDRE ; MICHAEL A ATKINSON ;
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 MCCRATY ROLLIN ; JOFFE DAVID ; ROLLIN I MCCRATY ;
 QUANTUM INTECH INC ; STRIEPE HARALD ; ATKINSON
 MICHAEL A

Assignee(s): CHILD MAC CRADLE ; AT THIS WET AND MICHAEL ; RSF
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 ATKINSON A ; ATKINSON MICHAEL A ; CHILDRE DOC L ;
 CHILDRE L ; DOC L CHILDRE ; MCCRATY I ; MCCRATY
 ROLLIN ; MCCRATY ROLLIN I ; MCCRATY ROLLIN I ATKINSON
 MICH ; MICHAEL A ATHINSON ; MICHAEL A ATKINSON ;
 ROLLIN I MCCRATY ; STRIEPE HARALD ; KNECHT ALFREDO ;
 JOFFE DAVID ; MCRATY ROLLIN

Inventor(s): CHILDRE DOC ; ATKINSON MICHAEL ; DOC L CHILDRE
 ROLLIN I MCCRATY MICHAEL A ATHINSON ; HARALD
 STRIEPE ; ALFREDO KNECHT

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD;
 RICHES MCKENZIE AND HERBERT LLP; DEVILE JONATHAN
 MARK; ECCLES AND LEE; CHINA PATENT AGENT HK LTD;
 CROWELL AND MORING LLP INTELLECTUAL PROPERTY
 GROUP; CROWELL AND MORING LLP, INTELLECTUAL
 PROPERTY GROUP; CROWELL AND MORING
 LLP,INTELLECTUAL PROPERTY GROUP; CROWELL AND
 MORING LLP; CROWELL AND MORING; DICKSTEIN SHAPIRO
 LLP; K AND L GATES LLP; NOBLES KIMBERLEY G

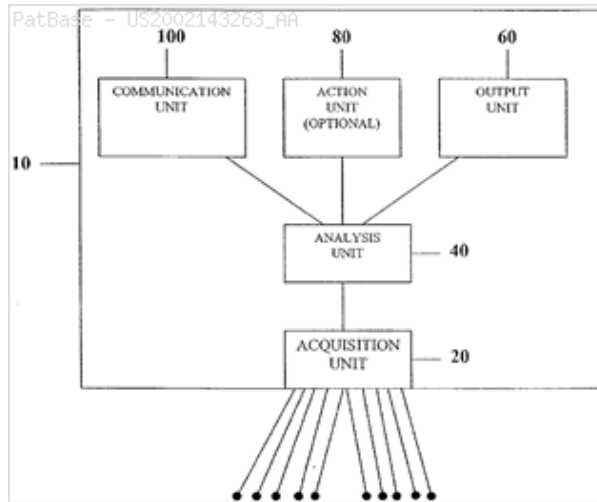
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9) Family number: 15903502 (US2002143263A)

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Title: SYSTEM AND DEVICE FOR MULTI-SCALE ANALYSIS AND REPRESENTATION OF PHYSIOLOGICAL DATA

Abstract: System comprised of a medical device and method for analyzing physiological and health data and representing the most significant parameters at different levels of detail which are understandable to a lay person and a medical professional. Low, intermediate and high-resolution scales can exchange information between each other for improving the analyses; the scales can be defined according to the corresponding software and hardware



resources. A low-resolution Scale I represents a small number of primary elements such as intervals between the heart beats, duration of electrocardiographic PQ, QRS, and QT-intervals, amplitudes of P-, Q-, R-, S-, and T-waves. This real-time analysis is implemented in a portable device that requires minimum computational resources. The set of primary elements and their search criteria can be adjusted using intermediate or high-resolution levels. At the intermediate-resolution Scale II, serial changes in each of the said elements can be determined using a mathematical decomposition into series of basis functions and their coefficients. This scale can be implemented using a specialized processor or a computer organizer. At the high-resolution Scale III, combined serial changes in all primary elements can be determined to provide complete information about the dynamics of the signal. This scale can be implemented using a powerful processor, a network of computers or the Internet. The system can be used for personal or group self-evaluation, emergency or routine ECG analysis, or continuous event, stress-test or bed-side monitoring.

Classifications:

International (IPC 8-9): A61B1/00 A61B5/00 A61B5/0205 A61B5/04 A61B5/0402

A61B5/0452 A61B5/055 A61N1/00 G06F19/00 (Advanced/Invention);

A61B5/04 A61B5/0428 A61B6/00 A61B6/03 (Advanced/Non-invention);

A61B1/00 A61B5/00 A61B5/04 A61B5/0402 A61B5/0452 (Core/Invention)

International (IPC 1-7): A61B5/00 A61B5/02 A61B5/04 A61B5/0402 A61B5/044

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US: 1/1 600/300 600/504 600/504P 600/508 600/509 600/509P 600/513 600/513P 705/2

Family:

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Probable Assignee: SHUSTERMAN VLADIMIR

Assignee(s): (std): SHUSTERMAN VLADIMIR

Assignee(s): VLADIMIR SHUSTERMAN ; NATIONAL INSTITUTES OF
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 DHHS US GOVERNMENT

Inventor(s): (std): SHUSTERMAN VLADIMIR

Inventor(s): VLADIMIR SHUSTERMAN

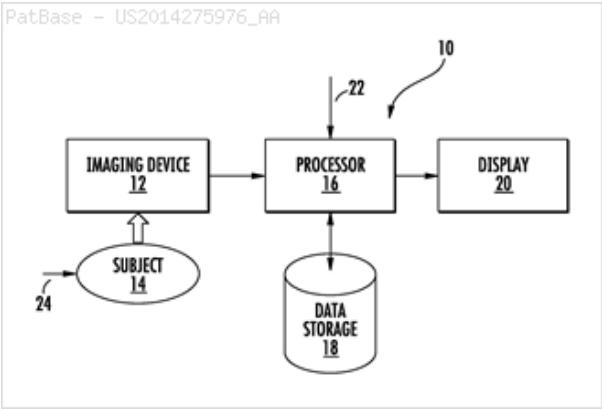
Agent(s): HOARTON LLOYD DOUGLAS CHARLES ET AL; ECKERT
 SEAMANS CHERIN AND MELLOTT; VLADIMIR
 SHUSTERMAN; BROWNLEE DAVID W; DAVID W; ECKERT
 SEAMANS CHERIN AND MELLOTT LLC; RADACK DAVID V;

DAVID V; RADACK ESQ DAVID V; BROWNLEE ESQ DAVID
W

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA
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RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG
UZ VN YU ZA ZW

Title: GLOBAL VENTRICULAR CARDIAC DIASTOLIC FUNCTION EVALUATION SYSTEM AND ASSOCIATED METHODS

Abstract: A method for evaluating diastolic function of a heart includes measuring a volumetric flow of blood through the heart and determining volume change rates during a diastolic flow period. A diastolic index is formulated from a combination of volume change rates and features of the volumetric change and is weighted by the index for evaluating the weighted feature at a heightened sensitivity against a preselected value. The index weighting provides a measure of diastolic filling performance specific to the weighting parameter. As a result, guidance is provided in evaluating volume changes in heart failure patients, cardiac diastolic performance, medication/titration for diastolic performance, an **athletic training** program, and cardiac reserve. Guidance is also provided for improving exercise capacity in patients with diastolic dysfunction without requiring the patient to be evaluated during exertion.



Classifications:

International (IPC 8-9): A61B5/00 A61B5/02 A61B5/024 A61B5/026 A61B5/029 A61B6/00 A61B6/03 A61B8/08 (Advanced/Invention)

CPC: A61B5/0263 A61B5/029 A61B5/02028 A61B5/02405 A61B5/7275 A61B5/7282 A61B6/032 A61B6/503 A61B8/0883

US: 600/419 600/425 600/436 600/450 600/526

Family:

Publication number	Publication date	Application number	Application date
US2014275976 AA	20140918	US20130108803	20131217
WO14149653 A1	20140925	WO2014US20109	20140304

Priority:

US20130790296P 20130315 US20130108803 20131217

Probable Assignee: ADVENTIST HEALTH SYSTEM SUNBELT INC

Assignee(s): (std): ADVENTIST HEALTH SYSTEM SUNBELT INC

Inventor(s): (std): MORO RICHARD J

Agent(s): NAPOLITANO CARL M

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

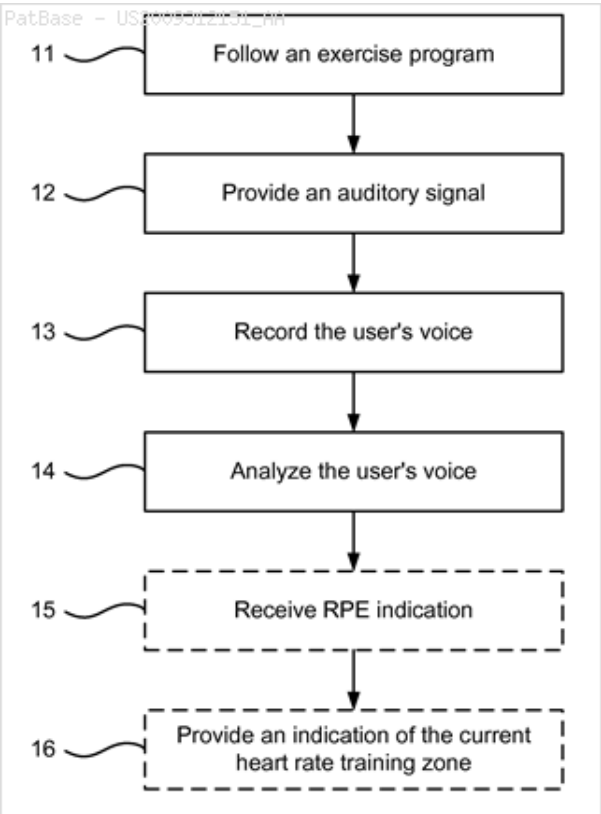
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TZ UA UG US UZ VC VN ZA ZM ZW

11) Family number: 44125015 (US2009312151A)

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Title: METHODS AND SYSTEMS FOR COMPUTERIZED TALK TEST

Abstract: Methods and devices for executing a computerized talk test, comprising: following an exercise program; providing auditory signals from time to time; recording a user talking according to the auditory signals; analyzing the recordings to identify predefined properties; and providing an indication of the user's current heart rate **training** zone based on the analysis results. Other embodiments discuss a device configured to determine when a user approximately sustains a fixed level of physical effort and then execute a computerized talk test, and a device configured to identify a user's heart rate **training** zone based on identification of involuntary interruptions in the user's voice speech.



Classifications:

International (IPC 8-9): A61B5/02 A61B5/103 A61N1/00 A63B24/00 A63B71/00

G10L11/00 (Advanced/Invention);

A63B71/06 H04R29/00 (Advanced/Non-invention);

A61B5/02 A63B24/00 A63B71/00 (Core/Invention);

H04R29/00 (Core/Non-invention)

CPC: A61N1/00 A63B71/06 A63B24/0062 A63B24/0087 A63B2071/068 A63B2220/10

A63B2220/72 A63B2220/803 A63B2230/00 A63B2230/06 A63B2230/40

European: A63B24/00G A63B24/00R A63B71/06 K63B220/10 K63B220/72 K63B220/80C

K63B230/00 K63B230/06 K63B230/40 K63B71/06E2

US: 381/58 381/58S 482/1 482/8 482/8P 482/9 482/9S 600/520 600/520P 600/587 607/122 704/200 704/270

Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20080061504P 20080613 US20090484182 20090613 US20090484183 20090613

Probable Assignee: ACTIVE KNOWLEDGE LTD

Assignee(s): (std): GIL THIEBERGER ; KEREN YAAR ARI ; THIEBERGER GIL ;
THIEBERGER TAL

Assignee(s): ACTIVE KNOWLEDGE LTD

Inventor(s): (std): KEREN YAAR ARI ; THIEBERGER GIL ; THIEBERGER TAL

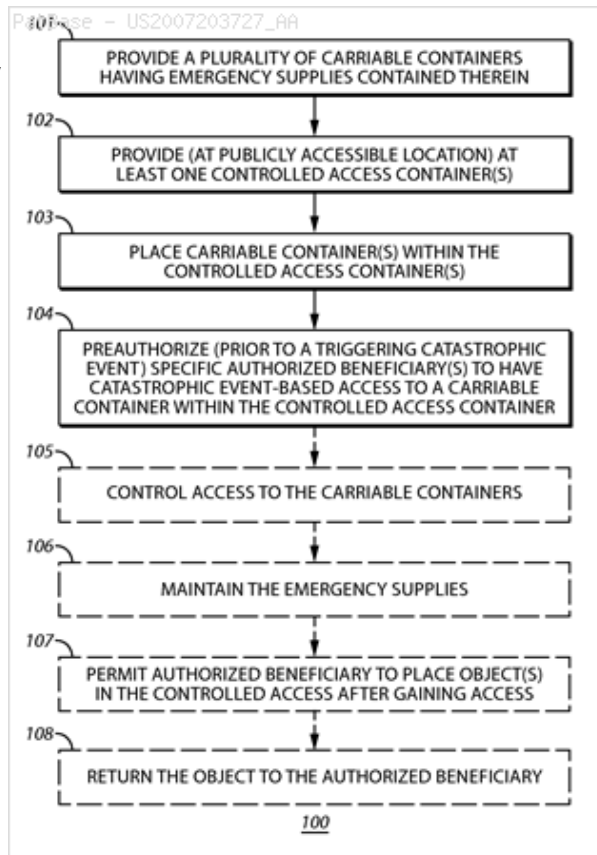
Agent(s): GIL THIEBERGER

12) Family number: 40797636 (US2007203727A)

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Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.



Classifications:

International (IPC 8-9): A01B71/06 A45F5/00 A47F1/04 A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00 G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59 H04L9/00 H04M11/04 (Advanced/Invention);

G06Q90/00 (Advanced/Non-invention);

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Family:

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Priority:

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Probable Assignee: SOVEREIGN DEED LLC**Assignee(s):** (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC**Inventor(s):** (std): SEIDEL GREGORY E ; BOTOS MATTHEW J ; MOORE BARRETT H**Inventor(s):** MOORE BARRETT**Agent(s):** FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ

RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES
KENNETH H ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ
CA CF CG CH CI 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
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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

13) Family number: 42674747 (US2008312963A)

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Title: PRODUCTIVITY WORKFLOW INDEX

Abstract: Provided are methods of providing productivity measure for a complex workflow process, be determining at least one Productivity Workflow Index (PWI) based on data regarding human computer actions and workflow-related variables. Also provided are systems, apparatuses, machine-readable medium, and computer readable program products relating to such methods.

Classifications:

International (IPC 8-9): G06Q10/00

G06Q50/00 (Advanced/Invention);

G06Q10/00 G06Q50/00 (Core/Invention)

CPC: G16H40/20 G16H80/00

G06F19/321 G06Q10/06 G06Q10/06398

G06Q50/22

European: G06F19/32G G06Q10/06 G06Q10/06398 G06Q50/22 S06F19/32A

S06F19/34E

US: 382/128 700/90 705/11 705/11S 705/2 705/2P 705/3 705/4 705/7.42 705/7.420S

Family:

Publication number	Publication date	Application number	Application date
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US2011218815 AA	20110908	US20110067150	20110512
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Priority:

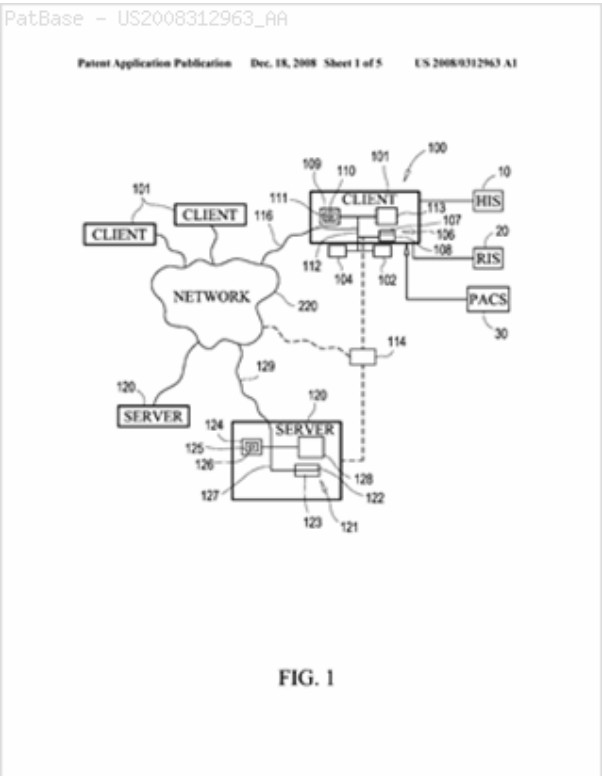
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Probable Assignee: REINER BRUCE

Assignee(s): (std): REINER BRUCE

Inventor(s): (std): REINER BRUCE

Agent(s): CASTELLANO PLLC; EDWARDS NEILS PLLC; JEAN C

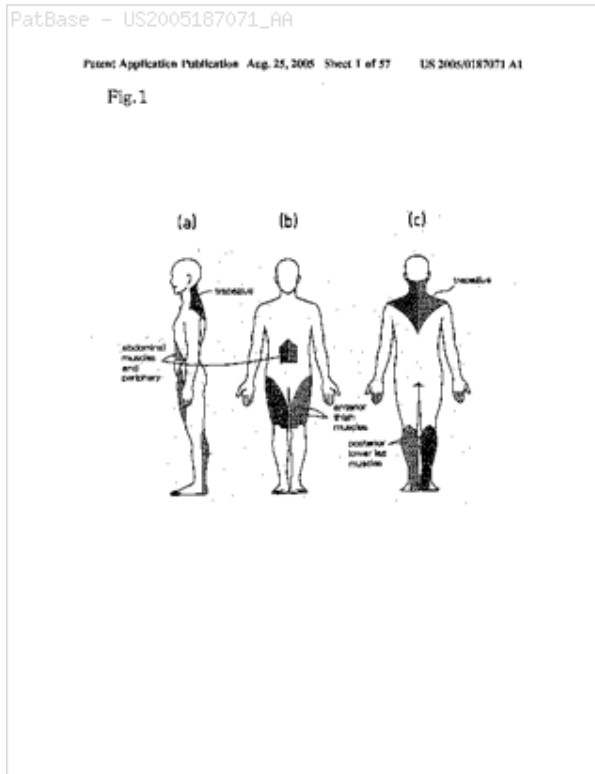


14) Family number: 30543543 (US2005187071A)

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Title: REPOSITIONING DEVICE, GARMENT, AND POSTURE MOLDING METHOD AND TRAINING INSTRUCTION METHOD USING THEM

Abstract: A repositioning device and a garment (101), to be used in daily activities or exercise, correct one's posture to a proper ideal one and create superior body balance. A posture molding method and a training instruction method utilize the repositioning device and the garment. The repositioning device contains a vibration generator inside a case. From the vibration generator, vibratory stimulation is provided to the skin on a human body surface, thereby promoting neurotransmission in muscles. The garment (101) is equipped with point stimulation parts (10 a) and/or surface stimulation parts (10 b) for promoting facilitation and inhibition of



neurotransmission in muscles, respectively. In molding a posture or giving training instructions, a practitioner/trainer utilizes the repositioning device and the garment (101) to facilitate and/or inhibit neurotransmission in muscles.

Classifications:

International (IPC 8-9): A41D A41D13/00 A41D13/12 A41D27/00 A61H A61H1/00 A61H23/00 A61H23/02 A63B A63B23/00 A63B24/00 A63B69/00 (Advanced/Invention); A41D13/00 A61H15/00 A61H23/00 A61H39/00 A61H7/00 A63B23/00 (Advanced/Non-invention);

A41D13/00 A41D13/12 A41D27/00 A61H1/00 A61H23/00 A61H23/02 A63B23/00 A63B24/00 A63B69/00 (Core/Invention); A61H7/00 (Core/Non-invention); A41D A61H A63B (Subclass/Invention)

International (IPC 1-7): A41D13/00 A61H1/00 A61H23/00 A61H23/02 A63B15/02 A63B22/14 A63B22/16 A63B23/00 A63B24/00 A63B69/00

CPC: A61H23/02 A41D13/1236 A41D27/00 A41D2400/32 A61H23/0218 A61H23/0236 A61H23/0254 A61H23/0263 A61H39/002 A61H2015/0064 A61H2201/1253 A61H2201/1261 A61H2201/165 A61H2201/1654 A61H2201/1697 D04B1/243 D10B2403/0114 D10B2403/02 D04B1/102

European: A41D13/12C A41D27/00 A61H23/02 K41D400/32 K61H15/00A5 K61H201/12D K61H201/12D2 K61H201/16A20 K61H201/16A22 K61H201/16C6C K61H23/02F K61H23/02F4 K61H23/02R K61H23/02R2 K61H39/00E K61H7/00B

US: 434/247 434/247S 482/1 482/1P 601/46

JP F-Term: 4C046 4C046/AA02 4C046/AA29 4C046/BB16 4C046/DD02 4C046/DD16
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 4C074/DD01 4C074/DD04

JP F-Index: A61H1/00/311/Z A61H23/00 A61H23/02/330

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Publication number	Publication date	Application number	Application date
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Priority:

JP20020309422 20021024 AU20030268691 20030929 WO2003JP12456 20030929
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Probable Assignee: OGAWA HIDEKAZU

Assignee(s): (std): AWAI SHIZUKO ; CHIJIMATSU YOSHIHIRO ; HIDEKAZU
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CHIJIMATSU

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AIDAN JOHN; LIU SHEN AND ASSOCIATES; HELLER
EHRMAN WHITE AND MCAULIFFE LLP

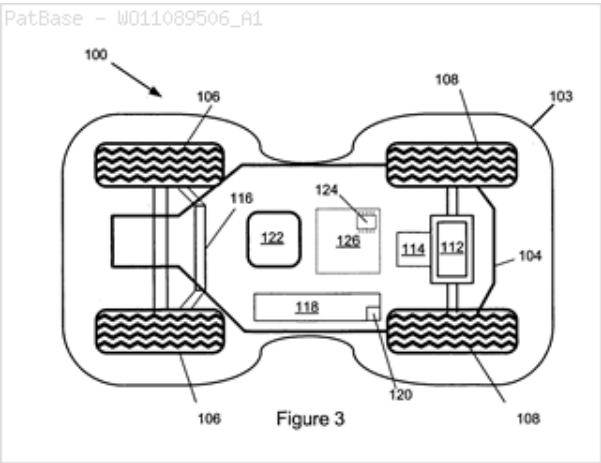
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15) Family number: 49335910 (WO11089506A1)

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Title: AN ATHLETIC TRAINING DEVICE

Abstract: A self-propelled and semi autonomous athlete training device, in the form of a vehicle (100) that is operable to drive around athletics track, includes a motor (112) coupled to wheels (106, 108), a steering mechanism (116) for steering the vehicle (100), an electronic position sensor (122) for determining a position of the vehicle (100) relative to a lane line and a microcontroller (124) for controlling the steering mechanism (116) so that the vehicle (100) autonomously follows the lane line. The vehicle may include a pacing module for establishing a pace profile for an athlete to follow, a feedback module for providing audible or visual information, a distance sensor for measuring the distance between the vehicle (100) and the athlete and a video camera for taking video footage of the athlete.



Classifications:

International (IPC 8-9): A63B71/00 (Advanced/Invention)

CPC: A63B24/00 A63B69/0028 A63B71/0686 A63B2071/063 A63B2071/065
A63B2071/0683 A63B2220/12 A63B2220/13 A63B2220/30 A63B2220/805 A63B2225/02
A63B2225/50

European: A63B24/00 A63B69/00J A63B71/06F K63B220/12 K63B220/13 K63B220/30
K63B220/80D K63B225/02 K63B225/50 K63B71/06D2A4 K63B71/06D4 K63B71/06E3

Family:

Publication number	Publication date	Application number	Application date
WO11089506 A1	20110728	WO2011IB00076	20110120

Priority:

ZA20100000445 20100121

Probable Assignee: UNIV STELLENBOSCH

Assignee(s): (std): EHLERS JOSEPH EDWARD ; GREEFF PIETER GABRIEL ;
JANSE VAN VUUREN FRANK ; UNIV STELLENBOSCH ; VAN
DER MERWE RUAN

Assignee(s): STELLENBOSCH UNIVERSITY

Inventor(s): (std): EHLERS JOSEPH EDWARD ; GREEFF PIETER GABRIEL ;
JANSE VAN VUUREN FRANK ; VAN DER MERWE RUAN

Agent(s): VON SEIDELS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW

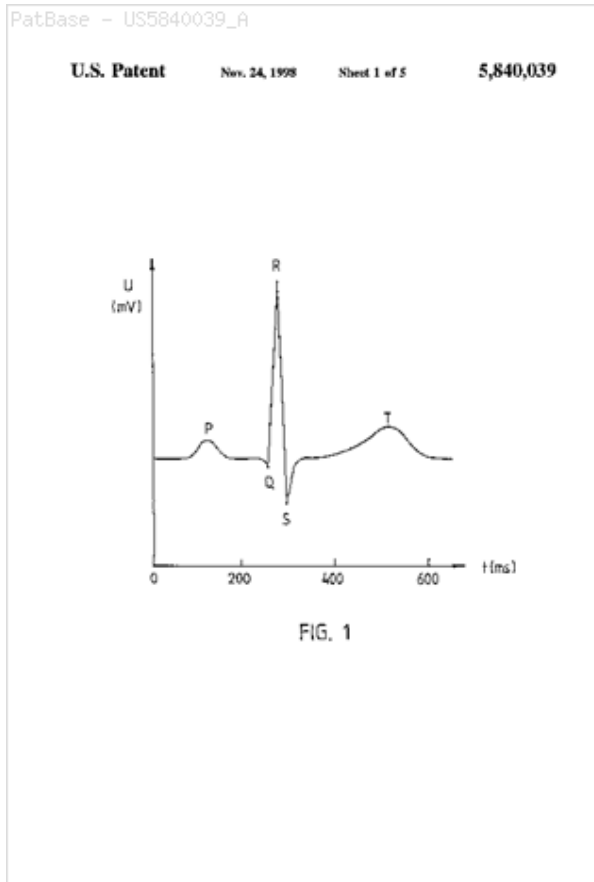
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16) Family number: 29683595 (US5840039A)

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Title: METHOD AND APPARATUS IN CONNECTION WITH MEASURING THE HEARTBEAT RATE OF A PERSON

Abstract: PCT No. PCT/FI95/00714 Sec. 371 Date Jun. 27, 1997 Sec. 102(e) Date Jun. 27, 1997 PCT Filed Dec. 28, 1995 PCT Pub. No. WO96/20641 PCT Pub. Date Jul. 11, 1996 The present invention relates to a method and apparatus in connection with measuring the heartbeat rate of a person. In the method, the ECG signal of the person and the timing moment of at least one ECG signal waveform, such as the QRS complex, are measured with a heartbeat rate monitor. The average heartbeat rate frequency of the heartbeat rate is calculated from the ECG signal. Heartbeat rate variation information proportional to the magnitude of the heartbeat rate variation or to that of the total or partial power of a spectrum derived from the heartbeat rate is provided by means of a mathematical function. The heartbeat rate variation information is displayed on the display of the heartbeat rate monitor together with the average heartbeat rate frequency.



Classifications:

International (IPC 8-9): A61B5/0245 A61B5/0452 A61B5/0472

A61B5/22 (Advanced/Invention);

A61B5/024 A61B5/0452 A61B5/22 (Core/Invention)

International (IPC 1-7): A61B A61B5/024 A61B5/0452 A61B5/0456 A61B5/0472

A63B21/005

CPC: A61B5/4035 A61B5/222 A61B5/0245

European: A61B5/0245 A61B5/22B2

US: 600/519 600/521

JP F-Term: 4C017 4C017/AA02 4C017/AA19 4C017/AC15 4C017/BC11 4C017/BC16 4C027 4C027/AA02 4C027/DD07 4C027/FF02 4C027/GG01 4C027/GG05 4C027/GG13 4C027/GG15 4C027/GG18 4C027/HH01 4C027/HH02 4C027/HH06 4C027/JJ03 4C027/KK03 4C127 4C127/AA02 4C127/DD07 4C127/FF02 4C127/GG01 4C127/GG05 4C127/GG13 4C127/GG15 4C127/GG18 4C127/HH01 4C127/HH02 4C127/HH06 4C127/JJ03 4C127/KK03

JP F-Index: A61B5/02/321/P A61B5/02/730 A61B5/0255 A61B5/04/312/Q A61B5/04/312/U

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WO9620641 A1	19960711	WO1995FI00714	19951228

Priority:

FI19940006164 19941229 FI19950002656 19950531 WO1995FI00713 19951228
 WO1995FI00714 19951228

Probable Assignee: POLAR ELECTRO OY

Assignee(s): (std): HEIKKILAE ILKKA ; PIETILAE ARTO ; POLAR ELECTRO OY ;
 POLAR ELECTRO OY KEMPELE

Assignee(s): POLAR ELECTRO OY PROFESSORINTIE

Inventor(s): (std): PIETILAE ARTO ; HEIKKILAE ILKKA

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

17) Family number: 33145773 (NL1027328C)

Title: ATHLETE TRAINING METHOD, E.G. ALLOWING RUNNING OR CYCLING AROUND TRACK AT PREDETERMINED SPEED, INVOLVES ATHLETE CARRYING RFID TRANSPONDER WHICH IS DETECTED EACH TIME IT PASSES GIVEN POSITION ON TRACK

Abstract: Each athlete (A, B) carries an RF-ID transponder (11, 12) and the track (1) has at least one detection position with a transmitter/receiver device (2) for detecting each time the transponder passes. A signalling device (3) is used to indicate to the athlete the speed which they need to keep to. The speed signal generated by the device is dependent upon one or more transponder detections carried out by the transmitter/receiver device.

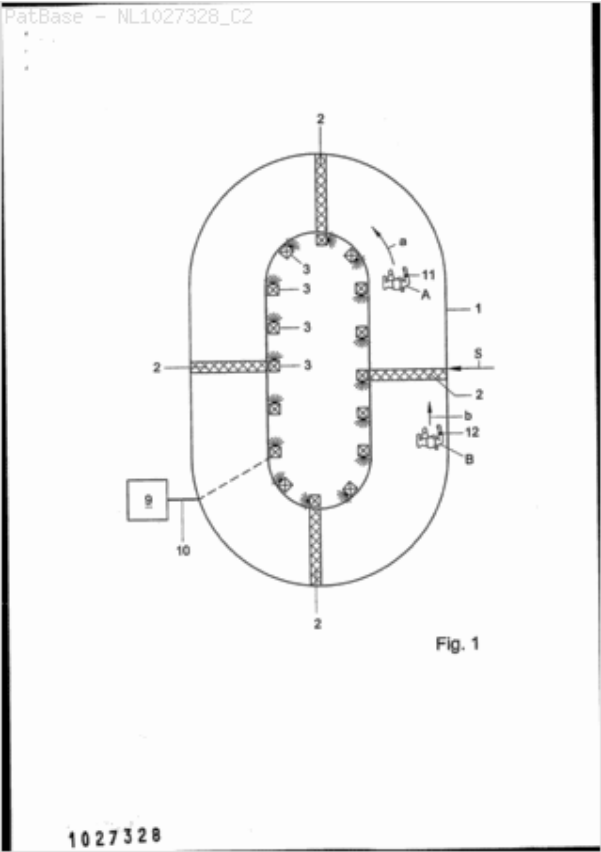
Classifications:

International (IPC 8-9): A63B69/00
A63B71/06 (Advanced/Invention);
A63B69/00 A63B71/06 (Core/Invention)

International (IPC 1-7): A63B69/00
A63B71/06

CPC: A63B24/0021 A63B69/0028
A63B71/0605 A63B2024/0025
A63B2220/836 A63B2225/50

European: A63B24/00E A63B69/00J A63B71/06B K63B220/83C K63B225/50
K63B24/00E1



Family:

Publication number	Publication date	Application number	Application date
NL1027328 C2	20060426	NL20041027328	20041025

Priority:

NL20041027328 20041025

Probable Assignee: CHAMPIONCHIP B V

Assignee(s): (std): CHAMPIONCHIP B V ; CHAMPIONCHIP BV

Inventor(s): (std): MEIJER WILHELMUS LAMBERTUS MAR ; STEVENS
HENRICUS ALPHONS WILHE

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ALPHONS WILHELMUS STEVENS

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Title: Tempo indication device for sports training

Abstract: The tempo indication device has a processor-memory device in which individual data for the sports person is entered, for defining the timing of different movements or movement sections. Signals are provided at freely selected points along the movement path via an acoustic signalling device attached to the body of the sports person. The acoustic signalling device may be incorporated in a headband worn by the sports person, with the signal applied directly to the temple.

Classifications:

International (IPC 8-9): A63B69/00
A63B71/06 (Advanced/Invention);
A63B69/00 A63B71/06 (Core/Invention)

International (IPC 1-7): A63B71/00
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CPC: A63B71/0605 A63B71/0686 A63B2071/0625 A63B2225/50
European: A63B71/06B A63B71/06F K63B225/50 K63B71/06D2A

Family:

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