

1) Family number: 57223021 (US2014232516A)

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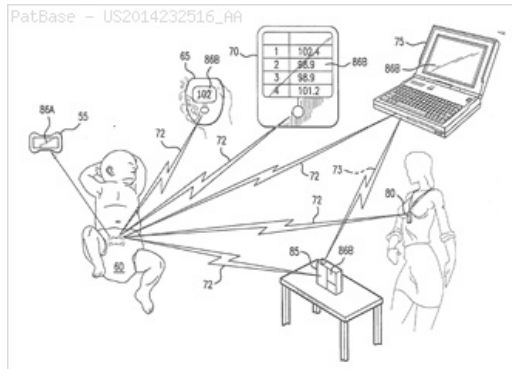
Title: CONTEXTUAL AND PRESENCE SENSING TO OPERATE ELECTRONIC DEVICES

Abstract: A monitoring system comprises a module having at least one sensor which could be an electric-field sensor within a housing. The device may be durable or disposable. A receiver may be provided to obtain and display data from the module. The module may also display the output data. The output data comprises both detected and derived data relating to physiological and contextual parameters of the wearer and may be transmitted directly to a local recipient or remotely over a communications network. The system is capable of deriving and predicting the occurrence of a number of physiological and conditional states and events and reporting the same as output data.

Classifications:

International (IPC 8-9): A63F13/20 F24F11/00
G05B1/01 (Advanced/Invention)

CPC: A61B5/0006 A61B5/0008 A61B5/01 A61B5/02055 A61B5/0402
A61B5/0537 A61B5/145 A61B5/14532 A61B5/6804 A61B5/6833
A61B10/0012 A61B2010/0019 A61B2560/0209 A61B2560/0214
A61B2560/0412 A61B2560/045 F24F11/30 F24F2120/10 G01K1/02
G01K1/022 G01K1/024 G06Q50/24 G16H40/63 A63F13/06
A63F2300/1012 G01R29/0814 G05B1/01
US: 165/237 340/3.1 463/39



Family:

Publication number	Publication date	Application number	Application date
US2014232516 AA	20140821	US20130083372	20131118

Priority:

US20020227575	20020822	US20040555280P	20040322	US20050088002	20050322
US20050727357P	20051017	US20050729683P	20051024	US20060582896	20061017
US20130083372	20131118				

Probable Assignee: JB IP ACQUISITION LLC

Assignee(s): (std): BODYMEDIA INC

Assignee(s): DBD CREDIT FUNDING LLC ADMINISTRATIVE AGENT AS ; WELLS FARGO BANK NATIONAL ASSOCIATION AGENT AS ; SILVER LAKE WATERMAN FUND LP SUCCESSOR AGENT AS ; MACGYVER ACQUISITION LLC ; PROJECT PARIS ACQUISITION LLC ; JB IP ACQUISITION LLC ; J FITNESS LLC ; ALIPH INC ; ALIPHCOM ; ALIPHCOM LLC ; BLACKROCK ADVISORS LLC

Inventor(s): (std): TELLER ERIC ; BOEHMKE SCOTT K ; HANDEL MARK ; GASBARRO JAMES A ; HSIUNG ERIC ; FARRINGDON JONATHAN ; VISHNUBHATLA SURESH ; ANDRE DAVID ; MENKE STEVE ; STIVORIC JOHN M ; PACIONE CHRISTOPHER ; KASABACH CHRISTOPHER D ; HANLON JAMES

2) Family number: 58126108 (US2016109961A)

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Title: SYSTEMS, METHODS, APPARATUSES, COMPUTER READABLE MEDIUM FOR CONTROLLING ELECTRONIC DEVICES

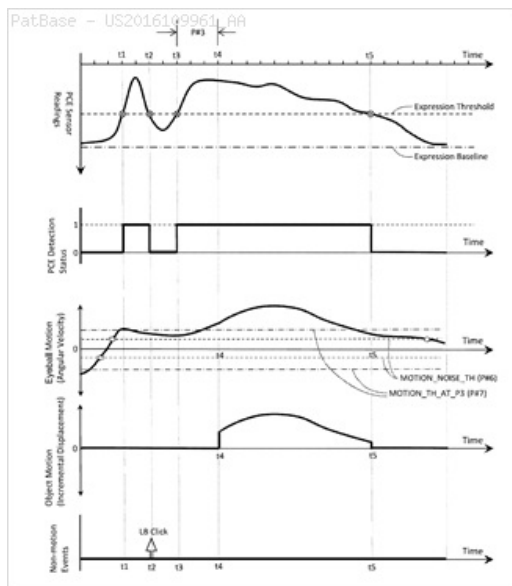
Abstract: This application includes disclosure of methods, systems, apparatuses as well as principles/algorithms that can be implemented on computer readable medium, for defining user gestures, interpreting user actions, communicating and confirming user intent when communicating with electronic devices. A system for controlling an electronic device by a user is disclosed that includes a microprocessor and a communication link. The microprocessor runs control software for receiving a first signal indicative of a first action of the user, receives a second signal indicative of motion or position of a part of the user's body, and generates a command signal for the electronic device based on a user gesture performed by the user. The communication link communicates the command signal to the electronic device.

Classifications:

International (IPC 8-9): A63F13/212 G06F3/01 G06F3/033
G06F3/0485 G06F3/0487 G06K9/00 (Advanced/Invention);
G06K9/00 (Advanced/Non-invention)

CPC: G06F3/017 G06F3/013 A63F2300/1012 A63F13/212 A63F13/213
A63F13/42 G06F3/012 G06F3/0485 G06F3/0487 G06F2203/04806
G06K9/00315 G06K9/0053 G06K9/00302 G06K9/00335
G06K9/00355 G06K9/0061 G06F3/011 G06F3/0346 G06F3/015

US: 1/1 345/156



Family:

Publication number	Publication date	Application number	Application date
US2016109961 AA	20160421	US20140897657	20140620
US2017249009 AA	20170831	US20170469456	20170324
US2018364810 AA	20181220	US20180921632	20180314
US2019265802 AA	20190829	US20180201776	20181127
US10137363 BB	20181127	US20170469456	20170324
US10254844 BB	20190409	US20140897657	20140620
US10558272 BB	20200211	US20180921632	20180314
WO14205422 A2	20141224	WO2014US43529	20140620
WO14205422 A3	20150219	WO2014US43529	20140620

Priority:

US20130837215P	20130620	US20140897657	20140620	WO2014US43529	20140620
US20150897657	20151211	US20160313042P	20160324	US20160427006P	20161128
US20170470872P	20170314	US20170469456	20170324	US20170537482P	20170727
US20170589228P	20171121	US20180626253P	20180205	US20180630253P	20180214
US20180921632	20180314	US20180201776	20181127		

Probable Assignee: PARSHIONIKAR UDAY

Assignee(s): (std): PARSHIONIKAR UDAY

Inventor(s): (std): PARSHIONIKAR UDAY

Agent(s): TAFT STETTINUS AND HOLLISTER LLP; FILOMORE II ANTHONY P; TAFT STETTINIUS AND HOLLISTER LLP; FILOMENA II ANTHONY P; FILOMENA ANTHONY P

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 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

3) Family number: 60727257 (US2017080346A)

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Title: METHODS AND SYSTEMS RELATING TO PERSONALIZED EVOLVING AVATARS

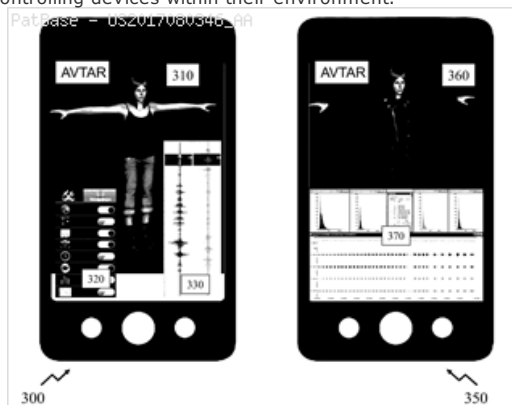
Abstract: Graphical user interfaces can exploit avatars to provide represent the user or their alter ego or character. It would be beneficial to provide users with an avatar not defined by the software provide but one that represents their quantified self so that their virtual world avatar evolved, adjusted, and behaved based upon the real world individual. It would also be beneficial that such a dynamically adaptive avatar provides the individual with an evolving and adjusting graphical interface to access personal information, establish adjustments in lifestyle, and monitor their health etc. within the real world but also define the characteristics, behaviour, skills, etc. that they possess within virtual worlds. Accordingly, such an avatar established in dependence upon the user's specific characteristics can then be exploited to provide data for a wide range of additional aspects of the user's life from filtering content through to controlling devices within their environment.

Classifications:

International (IPC 8-9): A63F13/79 A63F13/825 G06F19/00 H04L12/16 H04L12/58 (Advanced/Invention)

CPC: G06F19/3475 G06F19/3481 A63F13/825 A63F13/79 A63F2300/5553 H04L51/32 G16H15/00 G16H50/50

US: 1/1 463/29



Family:

Publication number	Publication date	Application number	Application date
US2017080346 AA	20170323	US20150308254	20150501
WO15164951 A1	20151105	WO2015CA00284	20150501

Priority:

US20140986919P 20140501 US20140986957P 20140501 WO2015CA00284 20150501
US20150308254 20150501

Probable Assignee: ABBAS MOHAMAD

Assignee(s): (std): ABBAS MOHAMAD

Inventor(s): (std): ABBAS MOHAMAD

Agent(s): PERLEY ROBERTSON HILL AND MCDUGALL LLP SRL

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 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

4) Family number: 65330280 (US2017232300A)

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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:

International (ipc 8-9): A42B3/04 A61B5/00 A61B5/0205

A61B5/0404 A61B5/11 A63B24/00 A63B43/00 A63B60/46

A63B69/36 A63B69/38 A63B71/00 A63B71/06 A63B71/14 A63F11/00

A63F13/00 A63F13/211 A63F13/212 B33Y10/00 B33Y80/00

B60Q1/00 G01L5/00 G01L5/10 G01L5/22 G01M17/02 G01M17/06

G01N29/00 G01N29/14 G01N29/44 G01P15/08 G01P15/18 G06F1/16

G06F17/30 G06F19/00 G06F3/00 G06F3/01 G06K19/02 G06K19/077

G06K9/00 G06K9/78 G06N5/04 G06N99/00 G06Q20/36 G06Q20/40

G06Q40/08 G06T17/00 G09B19/00 G16H20/30 G16H30/20

G16H30/40 G16H40/60 G16H40/63 G16H40/67 G16H50/20

G16H50/30 H04B1/3827 H04L29/08 H04L9/32 H04N5/225 H04N5/232

H04N7/18 H04Q9/00 H04W4/02 H04W4/38

H04W84/18 (Advanced/Invention);

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 A63F13/211 G06K9/62 G16H50/20 H04B1/04 H04B1/38 H04L29/08

H04N7/18 H04W84/18 H04W88/02 (Advanced/Non-invention)

IPC: G06K9/6277 H04N7/185 H04L67/04 H04L67/125 H04L67/22 H04L67/303 H04L67/32 H04L69/40 G06F19/345

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G06K9/4671 G06K9/6205 H04L67/38 H04N5/2257 H04W4/027 H04W4/80 A61B5/02055 A61B5/02416 A61B5/0488

A61B5/1123 A61B5/224 A61B5/6898 A61B5/7203 A61B5/7264 A63F13/212 A63F13/245 A63F13/25 A63F13/5255

A63F2300/8082 B33Y80/00 G01M17/02 G01M17/06 G01N29/4436 G01N2291/0258 G06N7/005 H04B1/385 H04L67/18

H04N7/183 A61B5/0404 G01N29/00 G01P15/0802 G01P15/18 G06K9/00302 G06K9/78 G06N5/04 G06N20/00 H04B1/38

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G06F1/163 G06K9/00342 G06K9/00355 G06K9/00671 G06Q40/08 G09B19/0038 G16H20/30 G16H30/20 G16H40/63

G16H40/67 G16H50/20 H04W84/18 A42B3/0433 A63B24/0006 A63B24/0021 A63B24/0062 A63B24/0075 A63B2208/0204

A63B2230/04 A63B2230/50 A63F11/00 A63F13/211 G06F3/017 G06K19/025 G06K19/07762 G09B19/003 H04B1/04

H04L67/10 H04N5/2253 H04N7/18 H04Q9/00 H04Q2209/40 H04W4/38 H04W88/02 A61B5/6804 B33Y10/00 G06F3/00

A41D1/00 G01L1/00 A42B3/30 A41D1/005 A63B43/004 A63B60/46 A63B69/38 A63B71/06 A63B60/16 A61B5/4064

G06F3/015 G06F3/0304

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
US2018001183 AA	20180104	US20170407255	20170117
US2018001184 AA	20180104	US20170624927	20170616
US2018078843 AA	20180322	US20170807138	20171108
US2018117446 AA	20180503	US20170594214	20170512
US2018117447 AA	20180503	US20170594311	20170512
US2018133583 AA	20180517	US20170821718	20171122
US2018264347 AA	20180920	US20180973524	20180507
US2018288586 AA	20181004	US20180990550	20180525
US2018326291 AA	20181115	US20180989484	20180525
US2019191284 AA	20190620	US20180207154	20181202

US2019200184 AA	20190627	US20180034239	20180712
US2019358515 AA	20191128	US20180213943	20181207
US2020008023 AA	20200102	US20190252543	20190118
US2020101367 AA	20200402	US20190693293	20191123
US9610476 BA	20170404	US20160144773	20160502
US9713756 BA	20170725	US20170407253	20170117
US9717949 BA	20170801	US20170407248	20170116
US9717958 BA	20170801	US20170407257	20170117
US9849364 BB	20171226	US20170586199	20170503
US9975033 BB	20180522	US20170407255	20170117
US10022613 BB	20180717	US20170594311	20170512
US10022614 BA	20180717	US20170612808	20170602
US10034066 BB	20180724	US20170624014	20170615
US10046228 BB	20180814	US20170594214	20170512
US10046229 BB	20180814	US20170626099	20170617
US10052519 BB	20180821	US20170626087	20170617
US10195513 BB	20190205	US20180989484	20180525
US10200834 BB	20190205	US20170821718	20171122
US10252145 BB	20190409	US20170624927	20170616
US10499216 BB	20191203	US20180990550	20180525
US10532268 BB	20200114	US20180973524	20180507

Priority:

US20160013957	20160202	US20160144773	20160502	US20170407248	20170116
US20170407253	20170117	US20170407255	20170117	US20170407257	20170117
US20170586199	20170503	US20170594214	20170512	US20170594311	20170512
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US20180989484	20180525	US20180034239	20180712	US20180207154	20181202
US20180213943	20181207	US20190252543	20190118	US20190693293	20191123

Probable Assignee:

TRAN BAO

Assignee(s): (std):

TRAN BAO ; TRAN HA

Inventor(s): (std):

TRAN BAO ; TRAN HA

Agent(s):

TRAN AND ASSOCIATES

5) Family number: 41670375 (US2008081692A)

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Title: PHYSIOLOGICAL USER INTERFACE FOR A MULTI-USER VIRTUAL ENVIRONMENT

Abstract: A system and method for incorporating biofeedback training into each user's interaction with a multi-user virtual environment, such as a multi-user videogame or a multi-user computer-simulated task, and for enhancing each user's sense of immersion in the multi-user virtual environment, by using measured values of physiological functions received as real-time outputs from at least one biosensory device operatively connected to each user while each user is interacting with the multi-user virtual environment to influence a score of each user's performance, such that each user demonstrating relatively superior physiological self-regulatory skill is rewarded and each user demonstrating relatively inferior physiological self-regulatory skill is penalized.

Classifications:

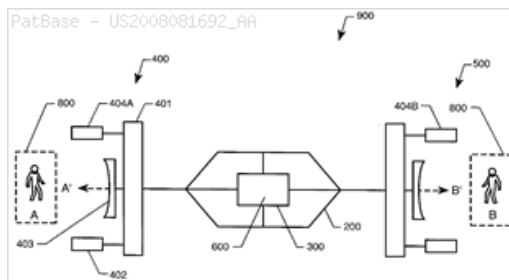
International (ipc 8-9): A63F13/20 A63F13/40 A63F9/24 G06F17/00 G09B19/00 (Advanced/Invention);

A63F9/24 (Core/Invention)

CPC: A63F13/10 A63F2300/6045 A63F13/212 A63F13/42 A63F13/46 A63F2300/1012 A63F2300/61 A63F13/06

European: A63F13/06 A63F13/10 K63F300/10B K63F300/60N K63F300/61

US: 434/236 434/236P 463/30 463/30S 463/31 463/31P



Family:

Publication number	Publication date	Application number	Application date
US2008081692 AA	20080403	US20060536811	20060929
US2011300523 AA	20111208	US20110166226	20110622
US8062129 BB	20111122	US20060536811	20060929
US8858325 BB	20141014	US20110166226	20110622

Priority:

US20060536811	20060929	US20100361086P	20100702	US20110166226	20110622
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Probable Assignee: POPE ALAN T

Assignee(s): (std): NASA ; PALSSON OLAFUR S ; POPE ALAN T ; U S A AS REPRESENTED BY THE ADMINISTRATOR OF THE NAT AERONAUTICS AND SPACE ADMINISTRATION

Assignee(s):

U S A AS REPRESENTED BY THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION ; U REPRESENTED BY ADMINISTRATOR OF NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AS SA ; UNITED STATES OF AMERICA AS REPRESENTED BY THE ADMINISTRATOR OF THE NATIONAL AERONAUTICS AND SPAC ; ADMINISTRATOR OF NATIONAL AERONAUTICS AND SPAC AS US GOV ; ADMINISTRATOR OF NATIONAL AERONAUTICS AND SPAC US GOV AS ; ADMINISTRATOR OF NATIONAL AERONAUTICS AND SPACE AD ; ADMINISTRATOR OF NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AS US GOV

Inventor(s): (std):

POPE ALAN T ; PALSSON OLAFUR S

Agent(s):

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, LANGLEY RESEARCH CENTER; NATIONAL AERONAUTICS AND SPACE ADMINISTRATION LANGLEY RESEARCH CENTER; KIMBERLY A; JENNIFER L; THOMAS K

Title: INTERACTIVITY MODEL FOR SHARED FEEDBACK ON MOBILE DEVICES

Abstract: A system that produces a dynamic haptic effect and generates a drive signal that includes a gesture signal and a real or virtual device sensor signal. The haptic effect is modified dynamically based on both the gesture signal and the real or virtual device sensor signal such as from an accelerometer or gyroscope, or by a signal created from processing data such as still images, video or sound. The haptic effect may optionally be modified dynamically by using the gesture signal and the real or virtual device sensor signal and a physical model, or may optionally be applied concurrently to multiple devices which are connected via a communication link. The haptic effect may optionally be encoded into a data file on a first device. The data file is then communicated to a second device and the haptic effect is read from the data file and applied to the second device.

Classifications:

International (IPC 8-9): A63F13/02 G06F3/01 G06F3/041

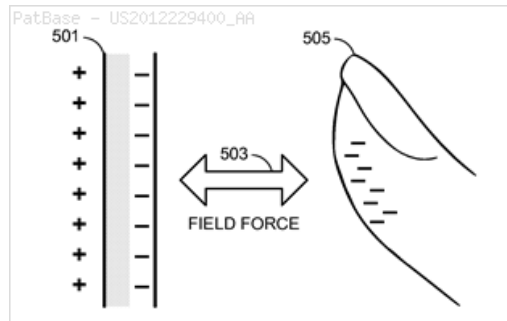
G06F3/0481 G06F3/0488 G08B6/00 (Advanced/Invention)

CPC: G06F3/016 G06F3/0488 G06F3/0416 G06F2203/04809

B06B1/06 H02N2/02

European: G06F3/01F G06F3/041T S06F203/04809

US: 340/407.2 345/173



Family:

Publication number	Publication date	Application number	Application date
CN103257783 A	20130821	CN201210473577	20121120
CN103257783 B	20150916	CN201210473577	20121120
EP2629176 A1	20130821	EP20120006576	20120919
JP2013168124 A2	20130829	JP20120206852	20120920
JP2013229051 A2	20131107	JP20130142585	20130708
JP2013239194 A2	20131128	JP20130142584	20130708
JP2016129060 A2	20160714	JP20160040887	20160303
JP2017152035 A2	20170831	JP20170089826	20170428
JP2019036348 A2	20190307	JP20180204882	20181031
JP5315448 B2	20131016	JP20120206852	20120920
JP5833601 B2	20151216	JP20130142584	20130708
JP5898138 B2	20160406	JP20130142585	20130708
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US2013207904 AA	20130815	US20120397142	20120215
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Priority:

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JP20160040887 20160303	JP20170089826 20170428	JP20180204882 20181031

Probable Assignee: IMMERSION CORP

Assignee(s): (std): BIRNBAUM DAVID ; DEVENISH RYAN ; IMMERSION CORP ; SHORT JASON ; ULLRICH CHRIS

Assignee(s): IMMERSION CORPORATION

Inventor(s): (std): ULLRICH CHRIS ; SHORT JASON ; DEVENISH RYAN ; BIRNBAUM DAVID ; RYAN DEVENISH ; JASON SHORT ; DAVID BIRNBAUM ; CHRIS ULLRICH

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE; FUJITA KAZUKO; THOMAS A

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: METHODS AND SYSTEMS FOR OBTAINING, AGGREGATING, AND ANALYZING VISION DATA TO ASSESS A PERSON'S VISION PERFORMANCE

Abstract: The present specification describes methods and systems for modifying a media, such as Virtual Reality, Augmented Reality, or Mixed Reality (VR/AR/MxR) media based on a vision profile and a target application. In embodiments of the specification, a Sensory Data Exchange (SDE) is created that enables identification of various vision profiles for users and user groups. The SDE may be utilized to modify one or more media in accordance with each type of user and/or user group.

Classifications:

International (IPC 8-9): A61B3/00 A61B3/02 A61B3/024 A61B3/028

A61B3/113 A61B5/00 A61B5/024 A61B5/0476 A61B5/16 A63F13/212

A63F13/25 G02B27/00 G02B27/01 G06F3/01 G06F3/0346

G06F3/0484 G06F3/147 G06T19/00 G09G5/00 (Advanced/Invention);

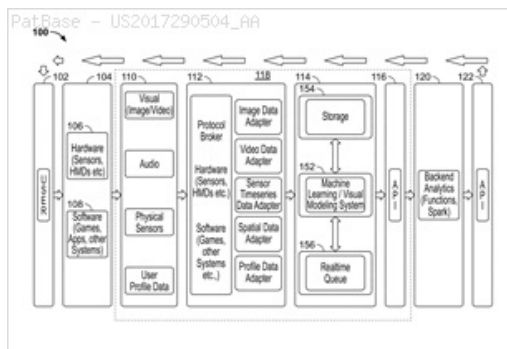
A61B5/024 A61B5/0484 A61B5/11 (Advanced/Non-invention)

CPC: A61B5/165 A61B3/10 A61B5/024 A61B5/04842 A61B5/04845

A61B5/11 G02B27/0093 G02B2027/0138 G06F3/013 G06F3/0346

G06F3/147 G09G2320/0693 G09G2354/00 A61B3/0091 A61B3/024

A61B3/028 A61B3/113 A61B5/0476 A61B5/7275 A63F13/212



Family:

Publication number	Publication date	Application number	Application date
AU2017248362 AA	20181122	AU20170248362	20170407
AU2017248363 AA	20181122	AU20170248363	20170407
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Priority:

US20160319825P 20160408	US20160322741P 20160414	US20160359796P 20160708
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US20170482544 20170407	US20170482560 20170407	WO2017US26689 20170407
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Probable Assignee: VIZZARIO INC

Assignee(s): (std): VIZZARIO INC

Assignee(s): KHADERI SYED KHIZER RAHIM ; MCDERMOTT KYLE CHRISTOPHER ; REDDY MOHAN KOMALLA

Inventor(s): (std): KHADERI SYED KHIZER RAHIM ; MCDERMOTT KYLE CHRISTOPHER ; REDDY MOHAN KOMALLA

Agent(s): FPA PATENT ATTORNEYS PTY LTD; MILTONS IP PI; MCQUEEN ANDREW PETER; NOVEL IP; DALAL SONA

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 JP KE KG KH KM KN KP KR KW 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

8) Family number: 57562640 (US2014300454A)

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Title: OFFLINE HAPTIC CONVERSION SYSTEM

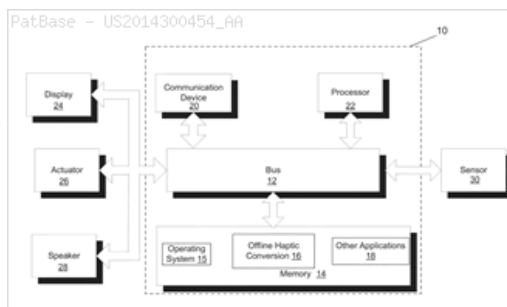
Abstract: A system is provided that controls an offline haptic conversion. The system receives an input from a source. The system further converts the input into haptic signals. The system further encodes the haptic signals. The system further stores the haptic signals within the source, where the haptic signals are combined with the input within the source. Alternately, rather than encoding the haptic signals and storing the haptic signals within the source, the system handles the haptic signals separately, independent of the source.

Classifications:

International (IPC 8-9): A63F13/215 A63F13/25 A63F13/285
G06F13/00 G06F3/01 G06F3/041 G06F3/048 G06F3/0484 G06F3/16
G08B21/00 G08B6/00 G10L19/00 G10L21/16 G11B27/02
G11B27/031 G11B27/10 H04B3/36 H04H20/10 H04H60/04
H04L29/06 H04N19/00 H04N19/12 H04N19/44 H04N19/46 H04N21/00
H04N21/233 H04N21/2343 H04N21/235 H04N21/236 H04N21/41
H04N21/414 H04N21/43 H04N21/433 H04N21/435 H04N21/438
H04N21/4385 H04N21/44 H04N21/45 H04N21/472 H04N21/485
H04N21/6336 H04N21/6379 H04N21/658 H04N21/81 H04N21/84
H04N21/845 H04N21/854 H04N7/24 H04N9/00 H04N9/82 H04R1/00
H04W88/18 (Advanced/Invention);
G06F3/16 H04N19/12 H04N19/85 H04N19/98
H04N21/2343 (Advanced/Non-invention)

CPC: G06F3/0416 G11B27/031 G06F3/04847 G11B27/10 G06F3/041
H04N21/235 H04N21/4126 H04N21/4131 H04N21/435 G06F2203/014 H04N21/23439 H04N19/12 H04N19/85 H04N19/98
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H04N19/44 H04N19/46 H04N21/4382 H04N21/4385 H04N21/6379 H04N21/845 G06F3/167

US: 1/1 340/407.1 340/407.1 340/407.2 345/156 725/116



Family:

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Priority:

US20130810196P	20130409	US20130827341P	20130524	US20130874920P	20130906
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Probable Assignee: IMMERSION CORP

Assignee(s): (std): IMMERSION CORP

Assignee(s): IMMERSION CORPORATION ; IMMERSION SAN JOSE CORP

Inventor(s): (std): BLANCHARD DIONNE JEAN FRANCOIS ; CHRISTOPHER J ULLRICH ; CHRISTOPHER J ULRICH ; CHRISTOPHER ULLRICH ; CRUZ HERNANDEZ JUAN MANUAL ; CRUZ HERNANDEZ JUAN MANUEL ; DANNY GRANT ; DAVID BIRNBAUM ; DIONNE JEAN FRANCOIS ; HUGUES ANTOINE OLIVER ; JAMAL SABOUNE ; JEAN FRANCOIS BLANCHARD DIONNE ; JEAN FRANCOIS DIONNE ; JUAN MANUEL CRUZ HERNANDEZ ; LACROIX ROBERT ; LEVESQUE VINCENT ; ALI MODARRES ; ARNIE SEN ; BHATIA SATVIR ; BHATIA SATVIR SINGH ; LOC PHAN ; LOC TIEN PHAN ; MODALES ARI ; MODARRES ALI ; OLIVER HUGUES ANTOINE ; BIRNBAUM DAVID ; BIRNBAUM DAVID M ; PHAN LOC ; PHAN LOC TIEN ; RANK STEPHEN D ; ROBERT LACROIX ; SABOUNE JAMAL ; SATVIR SINGH BHATIA ; SEN ARNAB ; STEPHEN D RANK ; STEPHEN RANK ; ULLRICH CHRISTOPHER J ; VINCENT LEVESQUE ; WILLIAM RIHN ; SABOUNE MR JAMAL ; RANK STEVE ; LOC T PHAN

Inventor(s): ULLRICH CHRISTOPHER J VENTURA ; SABOUNE JAMAL MONTREAL ; RANK STEPHEN D SAN JOSE ; PHAN LOC SAN JOSE ; BIRNBAUM DAVID OAKLAND ; OLIVER HUGUES ANTOINE MONTREAL ; BHATIA SATVIR SINGH SAN JOSE ; LEVESQUE VINCENT MONTREAL ; DIONNE JEAN FRANCOIS MONTREAL

Agent(s): HERNANDEZ YORCK DIPL ING; NOVAGRAAF BREVETS; HOFSTETTER SCHURACK AND PARTNER; BECK GREENER; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; BECK GREENER LLP; FUJITA KAZUKO; MILES AND STOCKBRIDGE PC; MEDLER FERRO WOODHOUSE AND MILLS PLLC; KILPATRICK TOWNSEND AND STOCKTON LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

9) Family number: 78887702 (WO20095088A1)

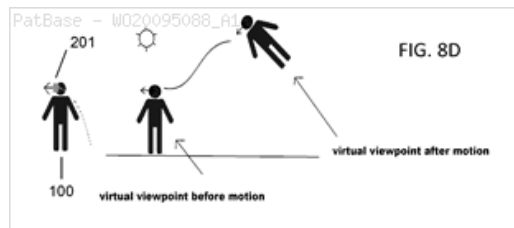
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Title: METHOD AND SYSTEM FOR CREATING AN OUT-OF-BODY EXPERIENCE

Abstract: A computer-implemented method for inducing an Out of Body Experience (OBE) in a user through an augmented/virtual reality (AR/VR) system, the OBE including an exit state and a disembodiment state, the method comprising the steps of (a) changing the user viewpoint from body -centered viewpoint to distanced viewpoints, thereby inducing an OBE exit state, and (b) showing to the user his/her own body from the distanced viewpoints, thereby inducing an OBE disembodiment state.

Classifications:

International (IPC 8-9): A63F13/525 G06F3/01 G06F3/0481
H04N13/243 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
WO20095088 A1	20200514	WO2018IB58668	20181105

Priority:

WO2018IB58668 20181105

Probable Assignee: ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPFL

Assignee(s): ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE EPFL

Inventor(s): BLANKE OLAF ; GALLO SIMONE ; ROGNINI GIULIO ; LANCE FLORIAN ; HERBELIN BRUNO

Agent(s): ROLAND ANDRE

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

10) Family number: 65205828 (US9597567B)

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Title: SMART SPORT DEVICE

Abstract: An Internet of Thing (IoT) sport device includes a light source; sensors including a camera and a microphone array; a processor coupled to the light source and the sensor; and a wireless transceiver coupled to the processor.

Classifications:

International (IPC 8-9): A63B71/06 A63F13/00 H04N5/225

H04N7/18 (Advanced/Invention);

G06T19/00 H04N5/247 (Advanced/Non-invention)

CPC: A63B60/46 A63B71/06 H04N7/185 H04N5/247 A63B21/072

A63B21/0724 A63B21/0726 A63B43/004 A63B60/16 A63B69/0002

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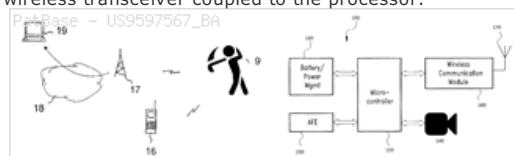
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Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20160144794 20160502

Probable Assignee: TRAN BAO

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