

1) Family number: 71028180 (US2018250589A)

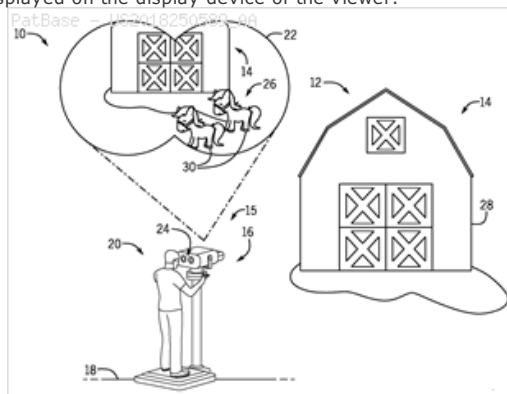
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Title: MIXED REALITY VIEWER SYSTEM AND METHOD

Abstract: A mixed reality viewing system includes a viewer configured to be secured to a steady platform and operable by a user to view a theme through the viewer. The viewer includes a display device, a user interface comprising a zoom control, and at least one sensor comprising at least one camera. The mixed reality viewing system also includes a computer graphics generation system communicatively coupled to the viewer. The computer graphics generation system is configured to generate streaming media of a real world environment based on image data captured via the at least one camera of the viewer, generate augmented reality graphics, virtual reality graphics, or both, superimposed on the streaming media of the real world environment, and transmit the streaming media of the real world environment along with the superimposed augmented reality graphics, virtual reality graphics, or both, to be displayed on the display device of the viewer.

Classifications:

International (IPC 8-9): A63F13/211 A63F13/213 A63F13/245 A63F13/25 A63F13/26 A63F13/27 A63F13/30 A63F13/355 A63F13/5255 A63F13/837 A63F13/843 A63G31/16 A63G7/00 G02B27/01 G06F3/01 G06F3/0484 G06T19/00 H04N13/04 (Advanced/Invention)
CPC: A63F13/26 G06T19/006 G06F3/04845 G06T2219/024 A63F13/30 G06F2203/04806 A63F13/213 G02B2027/0141 A63G7/00 G02B27/0101 G02B27/0172 A63G31/16 H04N13/044 G02B2027/0145 G02B2027/0138 G02B2027/014 G02B2027/0178 A63F13/211 A63F13/245 A63F13/25 A63F13/355 A63F13/5255 A63F13/837 A63F13/843 A63F2300/6653 A63G27/00 A63G31/00 G02B27/017 G06F3/04815 G06F3/011 G06F1/163 G06F3/012 H04N13/344



Family:

Publication number	Publication date	Application number	Application date
US2018250589 AA	20180906	US20170818463	20171120
US2018253141 AA	20180906	US20180909694	20180301
US2018253905 AA	20180906	US20180912281	20180305
US2018255285 AA	20180906	US20170786359	20171017
WO18165039 A1	20180913	WO2018US20949	20180305
WO18165041 A1	20180913	WO2018US20951	20180305
WO18165165 A2	20180913	WO2018US21154	20180306
WO18165165 A3	20181101	WO2018US21154	20180306
WO18165170 A1	20180913	WO2018US21165	20180306

Priority:

US20170467817P 20170306 US20170786359 20171017 US20170818463 20171120
US20180909694 20180301 US20180912281 20180305

Probable Assignee: UNIVERSAL CITY STUDIOS LLC

Assignee(s): (std): UNIVERSAL CITY STUDIOS LLC

Inventor(s): (std): BOYLE PATRICK DEVIN ; COSSAIRT TRAVIS ; HALL GREGORY SHELLMAN ; MAJDALI DAVID GERARD ; MCCracken SEAN DAVID ; MERZ ERIC LAWRENCE ; YEH WEI

Agent(s): CROWE LAURA C ET AL; GUERRERO JASON M 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 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

2) Family number: 55005504 (US2013280683A)

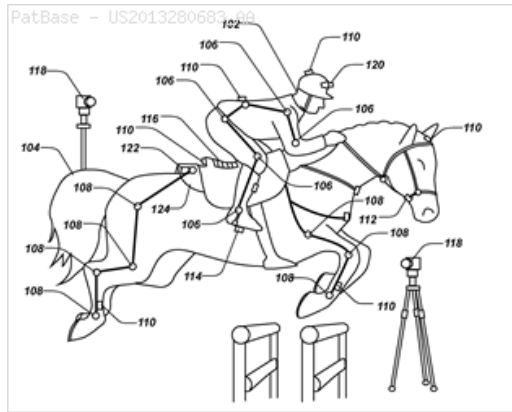
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Title: EQUESTRIAN PERFORMANCE SENSING SYSTEM

Abstract: Systems, devices, and methods for gathering data from a horse and rider and providing training to the rider are provided. In one aspect, for example, a method of training an equestrian rider can include performing a ride by an equestrian rider on a horse, and obtaining ride data from the ride, the ride data including video, inertial measurements, rider joint, head, torso, and/or limb information, horse joint, head, torso, and/or limb information, and at least one force measurement between the horse and the rider during the ride. The ride data can then be analyzed and at least one riding improvement to be made by the rider can be identified, and the at least one riding improvement to be made to the rider can be relayed to the rider to provide training for a subsequent ride.

Classifications:

International (IPC 8-9): A63B69/00 G09B19/00 G09B5/00 G09B9/00 (Advanced/Invention)
CPC: A63B69/00 G09B5/00 G09B19/0038 A01K29/005
US: 1/1 434/247



Family:

Publication number	Publication date	Application number	Application date
US2013280683 AA	20131024	US20120453908	20120423
US2016030821 AA	20160204	US20150881841	20151013
US9159245 BB	20151013	US20120453908	20120423
WO13163204 A1	20131031	WO2013US37825	20130423

Priority:

US20120453908 20120423 US20150881841 20151013

Probable Assignee: SARCOS LC

Assignee(s): (std): OLIVIER MARC X ; RAYTHEON CO ; SARCOS LC ; SMITH FRASER M

Inventor(s): (std): SMITH FRASER M ; OLIVIER MARC X

Agent(s): JOHNSON CHRISTOPHER L 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 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: 71615998 (US2018304160A)

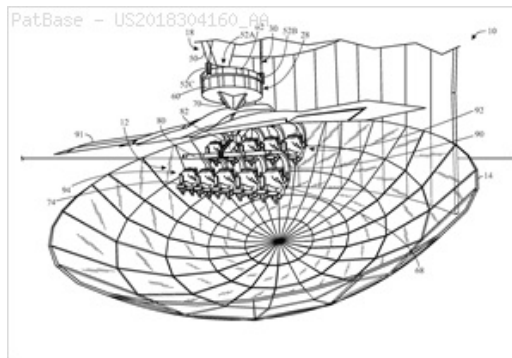
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Title: SEATED MOTION SIMULATION AMUSEMENT PARK ATTRACTION

Abstract: A motion simulator ride assembly including a motion base and a rider support assembly positioned beneath and coupled to the motion base. The rider support assembly includes a plurality of rider support units each including a saddle having a leading end, a tail end, and a superior surface that may support a rider in a facedown position and a restraint system that may secure the rider onto the rider support. The restraint system includes a rotating restraint having an attachment point on the saddle, and the rotating restraint may move relative to the superior surface to move the rotating restraint from an unrestrained configuration to a restrained configuration, and the rotating restraint may abut against a posterior surface of a torso of the rider when the rotating restraint is in the restrained configuration. The motion simulator ride assembly also includes a display screen that may project a simulated environment. The display screen is positioned below the motion base.

Classifications:

International (IPC 8-9): A63G1/00 A63G21/20 A63G31/08 A63G31/14 A63G31/16 A63G7/00 A63J25/00 A63J3/00 A63J5/12 G06T19/00 (Advanced/Invention)
CPC: A63G7/00 A63G31/08 G06T19/006 A63G31/14 A63G21/20 A63G31/16



Family:

Publication number	Publication date	Application number	Application date
US2018304160 AA	20181025	US20170852744	20171222
US2018304162 AA	20181025	US20170852685	20171222
US2018304163 AA	20181025	US20170852727	20171222
WO18200405 A1	20181101	WO2018US28931	20180423
WO18200410 A1	20181101	WO2018US28938	20180423
WO18200413 A1	20181101	WO2018US28944	20180423

Priority:

US20170489895P 20170425 US20170852685 20171222 US20170852744 20171222
US20170852727 20171222

Probable Assignee: UNIVERSAL CITY STUDIOS LLC

Assignee(s): (std): UNIVERSAL CITY STUDIOS LLC

Inventor(s): (std): FREEDMAN DANIEL ; FREEDMAN DANIEL MATTHEW ; SCHWARTZ JUSTIN MICHAEL ; SOUTH DWAIN ; HALL GREGORY ; STENZLER PAULA ; WHITE NATHANIEL G ; VAN WINKLE TED W ; TRESAUGUE

MICHAEL ; WHITE NATHANAEAL GORDON

Agent(s):

POWELL W ALLEN ET AL

Designated states:

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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: 53123765 (US2013050260A)

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Title: COHERENT PRESENTATION OF MULTIPLE REALITY AND INTERACTION MODELS

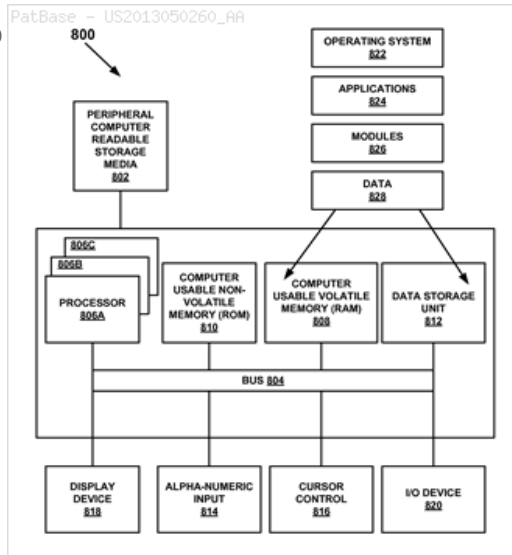
Abstract: A method for navigating concurrently and from point-to-point through multiple reality models is described. The method includes: generating, at a processor, a first navigatable virtual view of a first location of interest, wherein the first location of interest is one of a first virtual location and a first non-virtual location; and concurrently with the generating the first navigatable virtual view of the first location of interest, generating, at the processor, a second navigatable virtual view corresponding to a current physical position of an object, such that real-time sight at the current physical position is enabled within the second navigatable virtual view.

Classifications:

International (IPC 8-9): G06F3/01 G06F3/0484 G06F9/44 G06Q40/00
G06T11/60 G06T13/40 G06T15/00 G06T19/00 G09G5/00 G09G5/377
H04L12/24 H04N5/262 (Advanced/Invention)

CPC: G06Q40/00 G06F3/0484 H04L41/00 G06T11/60 G06T2219/024
G06T19/00 G06T13/40 G06F3/04815 A63F2300/204 A63F2300/6676
A63F2300/69 A63F2300/8076 G06Q30/02 G06T19/006 G06Q50/01
G09G3/003 G09G5/14 G09G2354/00 G06Q10/02 G06F3/14
G09G2340/12 G09G2340/14 H04L65/4084 H04L65/4092 H04L65/605
G06F3/005 G09G5/377 A63F13/65 G06F3/011 G06F8/315
H04N13/366 H04N13/30

US: 1/1 345/156 345/419 345/633 705/35 709/223 715/765 717/116



Family:

Publication number	Publication date	Application number	Application date
US2013050260 AA	20130228	US20120594477	20120824
US2013219357 AA	20130822	US20130841581	20130315
US2013222371 AA	20130829	US20130844351	20130315
US2013226758 AA	20130829	US20130842936	20130315
US2013229433 AA	20130905	US20130843219	20130315
US2013232430 AA	20130905	US20130843210	20130315
US2013234933 AA	20130912	US20130842280	20130315
US2013235034 AA	20130912	US20130842903	20130315
US2013235079 AA	20130912	US20130843493	20130315
US2013238778 AA	20130912	US20130844277	20130315
US2013249947 AA	20130926	US20130841523	20130315
US2013249948 AA	20130926	US20130844481	20130315
US2013335407 AA	20131219	US20130841077	20130315
US2014063061 AA	20140306	US20130844415	20130315
US8963916 BB	20150224	US20130841077	20130315
US9274595 BB	20160301	US20120594477	20120824
WO13032955 A1	20130307	WO2012US52401	20120824

Priority:

US20110575789P	20110826	US20110575790P	20110826	US20110575791P	20110826
US20120594477	20120824	US20130841523	20130315	US20130841077	20130315
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US20130843210	20130315	US20130842280	20130315	US20130842903	20130315
US20130843493	20130315	US20130844277	20130315	US20130844351	20130315
US20130844481	20130315	US20130844415	20130315		

Probable Assignee: REINCLLOUD CORP

Assignee(s): (std): REINCLLOUD CORP ; REITAN DAN

Inventor(s): (std): REITAN DAN

Agent(s): TRAN AND ASSOCIATES; BAO; GALLENSON MAVIS S 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
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SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 28325193 (US2002163141A)

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Title: Children's ride-on vehicle

Abstract: A children's ride-on vehicle that simulates a horse-drawn carriage. The invention includes a carriage section adapted to support a rider, and a horse section coupled to the carriage. One or more wheels are coupled to the carriage and/or horse sections. In one embodiment, the vehicle includes a rein assembly configured to allow a child to steer at least one of the wheels. In another embodiment, at least one of the wheels is configured to impart a vertically reciprocating motion to the vehicle when the vehicle is moving. In another embodiment, the vehicle includes a sound generation system to simulate noises produced by a horse.

Classifications:

International (IPC 8-9): A63G19/00 A63G19/20

B62K9/02 (Advanced/Invention);

A63G19/00 B62K9/00 (Core/Invention)

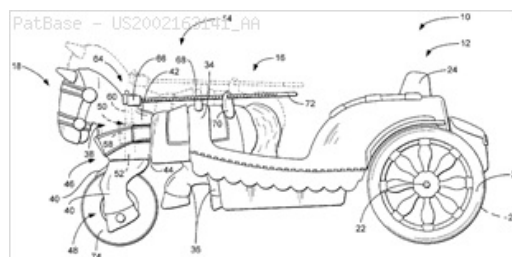
International (IPC 1-7): A63G019/00 A63G13/00 A63G19/00

A63G19/20 B60K1/00 B62M1/00

CPC: A63G19/20 B62K9/02

European: A63G19/20 B62K9/02

US: 180/216 180/65.1 280/1.13 280/1.14 280/1.165 280/1.183
280/1.202 280/1.206 280/114



Family:

Publication number	Publication date	Application number	Application date
AU200133234 A1	20010814	AU20010033234	20010201
AU200133234 A5	20010814	AU20010033234D	20010201
AU2003204145 AA	20030612	AU20030204145	20030512
AU2003204145 BB	20040617	AU20030204145	20030512
AU761783 B2	20030612	AU20010033234	20010201
BRPI0108101 A	20021029	BR2001PI08101	20010201
CA2396728 A	20020708	CA20012396728	20010201
CA2396728 C	20080422	CA20012396728	20010201
EP1255595 A1	20021113	EP20010905343	20010201
EP1255595 A4	20050223	EP20010905343	20010201
MXPA02007532 A1	20021213	MX2002PA07532	20010201
US2002163141 AA	20021107	US20020185551	20020627
US6412787 BA	20020702	US20000499595	20000207
WO0156672 A1	20010809	WO2001US03370	20010201

Priority:

US20000499595 20000207 AU20010033234 20010201 WO2001US03370 20010201
US20020185551 20020627 AU20030204145 20030512

Probable Assignee: MATTEL INC

Assignee(s): (std): DAMON DANIEL J ; MATTEL INC ; PARDI JARED PAUL

Inventor(s): (std): DAMON DANIEL J ; DANIEL J DAMON ; JARED PAUL PARDI ; PARDI JARED PAUL

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM
DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK
LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL
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6) Family number: 34715325 (US2007156758A)

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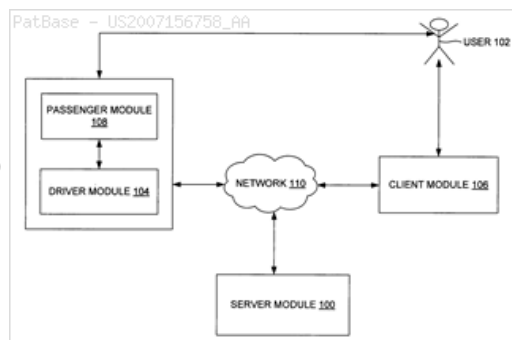
Title: INFORMATION OF PROXIMATE PROPERTIES THROUGH GEOGRAPHIC POSITIONING

Abstract: Information of proximate properties through geographic positioning is disclosed. In one aspect, a method of a server module includes determining a route of a user to arrive at a set of properties that are indicated of interest to the user based on a geographical location of the user communicated by way of a client module indicating a present location of the user; optimally adjusting the route of the user to drive by the set of properties computed through a mathematical algorithm having a parameter related to the geographical location of the user communicated via a client module indicating a present location of the user; and automatically identifying at least one other marketed property proximal to the geographical location of the user communicated via the client module to the server module indicating the present location of the user in addition to the set of marketed properties based on property databases.

Classifications:

International (IPC 8-9): B25J5/00 B25J9/00 B64C19/00 G01C1/00
G01C21/32 G01C21/34 G01C21/36 G05D1/00 G05D1/02 G06F15/16
G06F17/00 G06F17/30 G06F21/62 G06F3/00 G06F3/048 G06F3/14
G06F9/46 G06Q10/00 G06Q10/06 G06Q10/08 G06Q10/10
G06Q20/24 G06Q30/02 G06Q30/06 G06Q30/08 G06Q50/00
G06Q50/26 G06Q50/30 G06Q99/00 G06T15/00 G08G1/00
G08G1/123 H04L12/18 H04L12/58 H04L29/06 H04L29/08 H04W24/00
H04W4/02 H04W4/22 H04W76/00 (Advanced/Invention);
G06F21/31 G06Q10/00 G06Q50/00 G06Q99/00 H04B7/00 H04L29/08
H04W4/00 (Advanced/Non-invention);
G06F15/16 G06F3/048 G06F3/14 G06F9/46
G06T15/00 (Core/Invention)

CPC: G06Q10/047 G06Q50/16 G06Q30/0645 G06Q10/0832
G06Q10/0833 G06Q20/24 B64C19/00 G06F21/62 G06Q30/0205
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European: G06F17/30L G06F3/0481 G06Q10/047 G06Q10/04R G06Q10/10 G06Q10/107 G06Q10/10M G06Q50/16
G06T17/05



US: 1/1 1/1P 345/419 345/419P 455/432.3 455/456.1 455/456.2 455/456.3 455/518 455/519 700/245 701/117 701/2 701/23 701/25 701/3 701/409 705/14.45 705/14.57 705/14.58 705/26.3 705/26.9 705/28 705/307 705/319 705/325 705/332 705/342 705/343 705/344 705/39 705/7.11 705/7.34 707/104.1 707/736 707/737 707/999.107 707/999.107S 709/204 709/206 709/206P 715/201 715/706 715/706P 715/757 715/757P 715/757S 715/758 715/764 715/765 715/848 715/849 718/100 726/26 726/28 726/4 901/1 901/47 901/50

Family:

Publication number	Publication date	Application number	Application date
US2007156758 AA	20070705	US20060517756	20060908
US2009015582 AA	20090115	US20070827774	20070713
US2009019122 AA	20090115	US20070827834	20070712
US2009019366 AA	20090115	US20070827936	20070712
US2009064144 AA	20090305	US20070897689	20070830
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Priority:

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US20150872166	20151001				

Probable Assignee: FATDOOR INC

Assignee(s): (std): ABHYANKER RAJ ; ABHYANKER RAJ V ; ABHYANKER RAJ VASANT ; BERTRAND BLAISE ; FATDOOR INC ; COLIN YOUENN ; CT D CORP ; OIA INTELLECTUALS INC ; LOPEZ MORALES MANUEL R ; PATEL AAMIR ; PHO VINH ; PATRON ANTHONY ; LEGALFORCE INC ; MYER WARREN H

Assignee(s): IP ANALYTICS LLC ; NEXTDOORCOM INC ; GOOGLE LLC ; OIA INTELLECTS ; CENTER D CORP ; COFFEE ROASTING CO ; DEALMAP INC ; GOOGLE INC ; CENTER'D CORP

Inventor(s): (std): ADIGA SADASHIV ; PHO VINH ; PATRON ANTHONY ; PATEL AAMIR ; MYER WARREN H ; LOPEZ MORALES MANUEL R ; COLIN YOUENN ; BERTRAND BLAISE ; ABHYANKER RAJ VASANT ; ABHYANKER RAJ V ; ABHYANKER RAJ

Agent(s): RAJ ABHYANKER LLP, C/O INTELLEVATE; RAJ ABHYANKER LLP C O INTELLEVATE; PILLSBURY WINTHROP SHAW PITTMAN LLP; DAVID; GOODWIN PROCTER LLP; RAJ; RAJ ABHYANKER PC

7) Family number: 28048690 (US2003054870A)

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Title: BET CONTROL METHOD FOR RACE GAME

Abstract: When a racing form speculating a race is selected, a bet is automatically made on a speculated possible finish

place. A racing form speculated information indication region K1 is provided on the right side of a speculation indication region H5. A speculation racing form indication region K2 is provided on the right side of the racing form speculated information indication region K1. A game player selects a racing form to be used as speculated information. When an all bets button K5 below a racing form release button K4, bets are made maximum 8 sets of horse number combinations speculated by the racing forms. The bet control method can permit game players to easily and quickly bet.

Classifications:

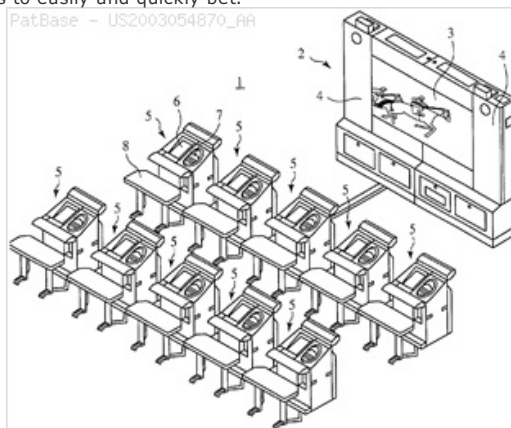
International (IPC 8-9): A63F13/00 A63F13/10 G06F17/00
G06F19/00 G06Q50/00 G06Q50/34 G07F17/32 (Advanced/Invention);
G06Q50/00 (Advanced/Non-invention);
A63F13/00 A63F13/10 G06F17/00 G06Q50/00
G07F17/32 (Core/Invention)

International (IPC 1-7): A63F13/00 A63F13/10 G06F17/00
G06F17/60 G06F19/00 G06Q50/00 G07F17/32

CPC: G07F17/3211 G07F17/32 G07F17/3288 G06Q50/34

European: G06F17/60R G06Q50/34 G07F17/32 G07F17/32C2F
G07F17/32P2

US: 463/6 463/6P



Family:

Publication number	Publication date	Application number	Application date
EP1288820 A2	20030305	EP20020077885	20020718
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KR100904355 B1	20090623	KR20020042028	20020718
KR20030009199 A	20030129	KR20020042028	20020718
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Priority:

JP20010220748 20010719 US20020180026 20020627 JP20020203445 20020712
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Probable Assignee: SEGA SAMMY HOLDINGS INC

Assignee(s): (std): SEGA CORP ; SEGA ENTERPRISES KK ; SEGA SAMMY HOLDINGS INC

Assignee(s): N A ; SAKAMOTO MASASHI ; SATO NAOYUKI ; SEGA GAMES CO LTD ; TSUCHIMOTO MASANORI ; UCHIDA KENJI

Inventor(s): (std): UCHIDA KENJI ; TSUCHIMOTO MASANORI ; SATO NAOYUKI ; SAKAMOTO MASASHI

Agent(s): HOFER DOROTHEA ET AL; KITANO YOSHIHITO; MIMURA HARUHIKO; DICKSTEIN SHAPIRO LLP

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

8) Family number: 13563413 (US2004224740A)

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Title: SIMULATION SYSTEM

Abstract: A competitive simulation game comprising a base program and at least one controllable object controllable by a player, characterised in that, in use, a real time input from a real life game controls a competitive object in the competitive simulation game as a competitor to the player.

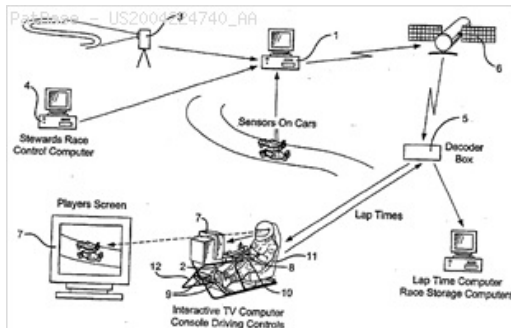
Classifications:

International (IPC 8-9): A63F13/10 A63F13/12 (Advanced/Invention);
A63F13/10 A63F13/12 (Core/Invention)

International (IPC 1-7): A63F13/10 A63F13/12 G06F17/00

CPC: A63F13/843 A63F13/245 A63F13/335 A63F13/803 A63F13/65
A63F13/217 A63F13/211 A63F13/216 A63F13/338 A63F13/57
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A63F2300/8017

European: A63F13/10 A63F13/12 K63F300/40N K63F300/40T
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US: 463/6



Family:

Publication number	Publication date	Application number	Application date
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WO0209833 A1	20020207	WO2001GB03498	20010802

Priority:

GB20000019299 20000802 GB20010006488 20010316 GB20010011673 20010512
WO2001GB03498 20010802

Probable Assignee: BALL TIMOTHY J

Assignee(s): (std): BALL SIMON CHRISTOPHER ; BALL TIMOTHY J ; BALL TIMOTHY JAMES ; TIMOTHY JAMES BALL
TIMOTHY

Assignee(s): TIMOTHY JAMES BALL ; SIMON CHRISTOPHER BALL

Inventor(s): (std): BALL SIMON CHRISTOPHER ; BALL TIMOTHY JAMES

Inventor(s): TIMOTHY JAMES BALL ; SIMON CHRISTOPHER BALL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ
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SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

9) Family number: 33982376 (US2006277466A)

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Title: BIMODAL USER INTERACTION WITH A SIMULATED OBJECT

Abstract: A method of providing user interaction with a computer representation of a simulated object, where the user can control the object in three dimensions. The method can provide for two distinct states: a "holding" state, and a "released" state. The holding state roughly corresponds to the user holding the simulated object (although other metaphors such as holding a spring attached to the object, or controlling the object at a distance can also be suitable). The released state roughly corresponds to the user not holding the object. A simple example of the two states can include the holding, then throwing of a ball. While in the holding state, the method provides force feedback to the user representation of forces that the user might experience if the user were holding an actual object. The forces are not applied when in the released state.

Classifications:

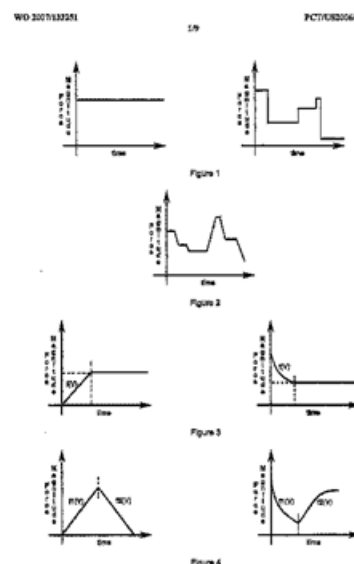
International (IPC 8-9): A63F13/00 G06F17/00 G06F3/00 G06F3/01
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G06F3/0483 G06F3/16 H02N6/00 H03K17/94 (Advanced/Invention);
G06F17/00 G06F3/00 H02N6/00 (Core/Invention)

CPC: G06F3/016 G06F3/017

European: G06F3/01F G06F3/01G

US: 341/20 341/20S 345/157 345/157S 463/31 463/31P 715/700
715/701 715/701S 715/727 715/727S 715/849 715/849S 715/850
715/850S

PatBase - WO07133251_A2



Family:

Publication number	Publication date	Application number	Application date
US2006277466 AA	20061207	US20060433173	20060513
US2010261526 AA	20101014	US20100783386	20100519
US9804672 BB	20171031	US20100783386	20100519
WO07133251 A2	20071122	WO2006US42557	20061030
WO07133251 A3	20090522	WO2006US42557	20061030

Priority:

US20050681007P 20050513 US20060433173 20060513 US20100783386 20100519

Probable Assignee: NOVINT TECHNOLOGIES INC

Assignee(s): (std): ANDERSON BILL ; ANDERSON THOMAS G ; AVILES RICHARD ; AVILES WALTER ; FACEBOOK INC ;
GRAFE V GERALD ; NOVINT TECHNOLOGIES INC ; JONES JAKE

Inventor(s): (std): ANDERSON THOMAS G ; JONES JAKE ; GRAFE V GERALD ; AVILES WALTER ; AVILES RICHARD ;
ANDERSON BILL

Inventor(s): ANDERSON THOMAS

Agent(s): V GERALD GRAFE ESQ; GRAFE LAW OFFICE PC; FENWICK AND WEST LLP

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

10) Family number: 59777945 (US2015196821A)

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Title: APPARATUS FOR RECOGNIZING INTENTION OF HORSE-RIDING SIMULATOR USER AND METHOD THEREOF

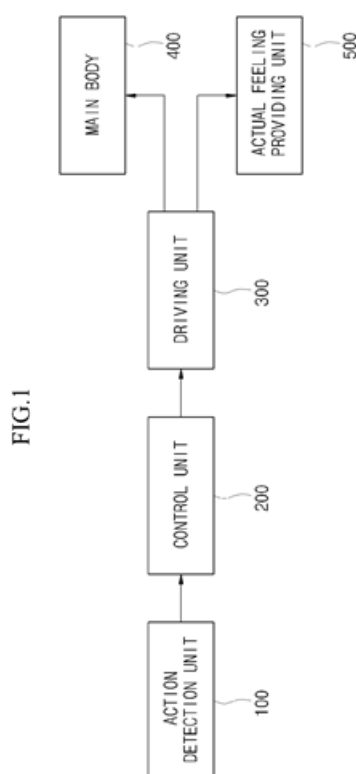
Abstract: The present invention relates to an apparatus for recognizing intention of a horse-riding simulator user, and a method thereof, and the apparatus for recognizing intention of a horse-riding simulator user can provide a safe and realistic horse-riding simulation environment to a user by recognizing an aid signal and an intention signal of the user to sense a dangerous situation and accordingly coping with the situation. According to the present invention, it is possible to increase the sense of the real for the user by enabling the horse-riding simulator user to perform similar interaction to actual horse-riding, and to increase effects of horse-riding training using the horse-riding simulator. Particularly, there is an advantage that the dangerous situation is sensed for safe riding, and it is possible to contribute to formation of a related technology market by providing an effective method for recognition of the intention of the horse-riding simulator user.

Classifications:**International (IPC 8-9):** A63B69/04 A63G19/20 G09B19/00

G09B9/00 (Advanced/Invention)

CPC: A63G19/20 G09B19/0038**US:** 434/247

PatBase - US2015196821_AA

**Family:**

Publication number	Publication date	Application number	Application date
■ KR20150084429 A	20150722	KR20140004438	20140114
■ US2015196821 AA	20150716	US20150595508	20150113
■ US10049596 BB	20180814	US20150595508	20150113

Priority:

KR20140004438 20140114

Probable Assignee: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST**Assignee(s):** (std): ELECTRONICS AND TELECOMMUNICATIONS RES INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST KOREA ; KOREA ELECTRONICS TELECOMM**Assignee(s):** ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST**Inventor(s):** (std): PARK JONG HYUN ; KIM KYE KYUNG ; KIM JAE HONG ; KANG SANG SEUNG ; CHI SU YOUNG**Agent(s):** WILLIAM PARK AND ASSOCIATES LTD**11) Family number: 11839475** (US2004046736A)

© PatBase

Title: NOVEL MAN MACHINE INTERFACES AND APPLICATIONS

Abstract: Affordable methods and apparatus are disclosed for inputting position, attitude (orientation) or other object characteristic data to computers for the purpose of Computer Aided Design, Painting, Medicine, Teaching, Gaming, Toys, Simulations, Aids to the disabled, and internet or other experiences. Preferred embodiments of the invention utilize electro-optical sensors, and particularly TV Cameras, providing optically inputted data from specialized datum's on objects and/or natural features of objects. Objects can be both static and in motion, from which individual datum positions and movements can be derived, also with respect to other objects both fixed and moving. Real-time photogrammetry is preferably used to determine relationships of portions of one or more datums with respect to a plurality of cameras or a single camera processed by a conventional PC.

Classifications:

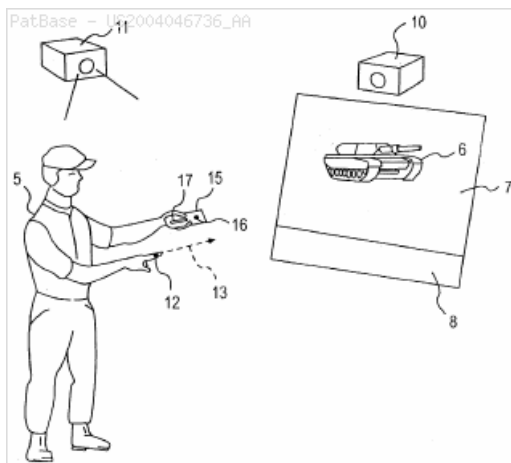
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International (IPC 1-7): A63F9/24 B60K1/00 G06F19/00 G06K9/00 G09G5/00 G09G5/08

CPC: A63F7/027 A63F2003/00974 A63F2009/243 A63F2009/2435 A63F2009/2457 G06F3/0423 G06F2203/0381 G06F3/0426 H04N9/3129 G06F2203/04808 Y10S128/92 Y10S128/921 Y10S128/922 A63F2300/8023 G06F3/01 G06K9/00335 G06K9/2018 G06T2207/10021 G06T2207/30196 G06T2207/30204 A63B24/0062 A63B71/06 A63B24/0075 G06F19/3475 G06F19/3481 G06Q30/06 A63F13/02 A63F13/04 A63F13/10 A63F2300/1043 A63F2300/1062 A63F2300/1081 A63F2300/6045 A63F2300/69 G06F3/038 G06F3/0428 G06F19/3418 G10H1/0008 G10H2220/321 B60K2350/1004 G06T2219/2016 G06T2219/2021 G06F3/0346 G06F17/5095 G06F2217/32 G05B19/0423 A47L15/0063 G01F23/292 G05B2219/23031 G05B2219/2643 G05B2219/31048 A63F2300/1093 B60K2350/2052 F24C7/082 H05B6/6435 H05B2213/04 B60K2350/1044 B60K2350/1052 B60K2350/355 Y10S482/90 Y10S482/901 B60R11/02 B60R11/0235 B60R2011/0005 B60R2011/0007 B60R2011/0012 B60R2011/0028 B60R2011/0029 B60R2011/0042 B60R2011/0094 G06F3/042 B60K37/02 B60K2350/106 B60K2350/1072 G06F3/0421 G06F3/04886 G01C21/365 B60K2350/2013 B60K2350/925 B60K2350/962 G01C21/265 G06T19/20 G06F2203/04109 G06F3/012 G06F3/014 A63F13/213 A63F13/245 A63F13/803 A63F13/428 A63F13/2145 A63F13/00 A63F2300/1075 A63F2300/1087 A63F2300/30 A63F2300/308 A63F2300/8011 G07F17/3297 G06F3/0304 G06F3/0325 G06F3/011 A63F3/00643 A63F7/0005 A63F13/06 A63F2009/0012 A63F2009/2419 A63F2009/2433 A63F2250/50 A63F2300/1068 G06F2203/04101 G01S5/16 B60K2350/1016 G06F3/0425 B60K2350/102 B60K2350/104 G01C21/3664 G06F3/0312 G06F3/03545 G06F3/04847 G06F3/0488 G06F2203/04108 G06F2203/04809 G06T7/246 G06T7/593 G06T7/73 B33Y50/00 B60K35/00 B60K37/06 B60K2350/1024 B60K2350/1028 B60K2350/901 G06F3/016 G06F3/017 G06F3/0416 G06F3/04883 G16H40/63 G16H50/50 G16H20/30

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US: 116/205 116/205S 128/920 128/921 128/922 178/18.01 178/18.09 273/237 273/274 307/10.1 340/407.1 340/407.100P 340/407.2 340/407.200P 340/425.5 340/425.500P 345/156 345/156P 345/157 345/157P 345/158 345/158P 345/161 345/173 345/173P 345/173S 345/174 345/174P 345/175 345/175P 345/175S 345/177 345/177P 345/184 345/184S 345/419 345/690 345/7 345/7S 348/143 348/169 348/207.1 348/207.100S 348/373 348/373P 348/744 348/744P 348/744S 348/77 348/77S 348/837 348/837S 348/E5.024 348/E5.128 348/E5.137 348/E5.24S 348/E51.28S 348/E51.37S 348/E7.085 348/E70.85S 348/E9.025 348/E9.026 348/E90.25S 348/E90.26S 358/1.12 382/103 382/103P 382/104 382/107 382/154 382/176 382/181 382/312 463/1 463/10 463/16 463/30 463/31 463/31P 463/32 463/34 463/36 463/36P 463/36S 463/37 463/4 463/5 463/7 463/8 482/5 482/8 482/8P 482/9 482/900 482/901 600/476 600/558 600/559 600/595 700/17 700/18 700/19 700/20 700/83 702/127 704/275 704/275S 704/E21.001 704/E21.001S 707/802 707/802S 707/E17.044 707/E17.044S 709/206 709/206S 715/702 715/702S 715/709 715/744 715/745 715/764 715/764P 715/788 715/789 715/810 715/811 715/833 715/833S 715/863 715/865



Family:

Publication number	Publication date	Application number	Application date
AU2010249515 AA	20101125	AU20100249515	20100519
CN102498442 A	20120613	CN201080028358	20100519
DE602004050237 D1	20161215	DE200460050237T	20040331
EP1626877 A2	20060222	EP20040759053	20040331
EP1626877 A4	20110810	EP20040759053	20040331
EP2213501 A2	20100804	EP20100003820	20040331
EP2213501 A3	20120509	EP20100003820	20040331
EP2433188 A2	20120328	EP20100725928	20100519
EP2581248 A1	20130417	EP20130150499	20040331
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HK1168914 A1	20130111	HK20120109654	20120928
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 PE PG PH PL PT RO RS RU 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 YU ZA ZM ZW

12) Family number: 44939617 (US2010105493A)

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Title: RIDING SIMULATION SYSTEM

Abstract: A method of providing a simulated bull ride includes guiding a rider to sit on an artificial bull in a bull chute, translating the artificial bull out of the chute along a slidably-coupled track and pivoting the artificial bull about a plurality of pivot points on an internal frame to simulate a bucking bull.

Classifications:

International (IPC 8-9): A63G13/00 A63G13/06

A63G19/00 (Advanced/Invention);

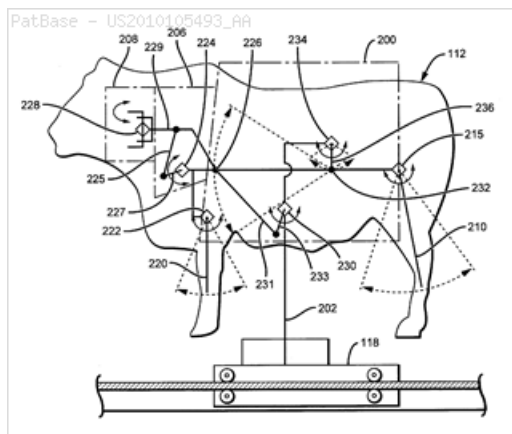
A63G13/00 (Advanced/Non-invention);

A63G13/00 (Core/Invention)

CPC: A63G19/20

European: A63G19/20

US: 434/247 472/59 472/96 472/97 472/97P



Family:

Publication number	Publication date	Application number	Application date
■ US2010105493 AA	20100429	US20090574367	20091006
■ US2011275444 AA	20111110	US20110186261	20110719
■ US8047924 BB	20111101	US20090574367	20091006
■ US8246479 BB	20120821	US20110186261	20110719

Priority:

US20080137824P 20081027 US20090574367 20091006 US20110186261 20110719

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