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Search sensor and wheel* (Results 328461)

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Search 4 and 5 (Results 18)

6:

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Search wheel* and sensor and shaft (Results 125410)

11:

Search 10 and 11 (Results 15)

12:

1) Family number: 4482463 (US4996928A)

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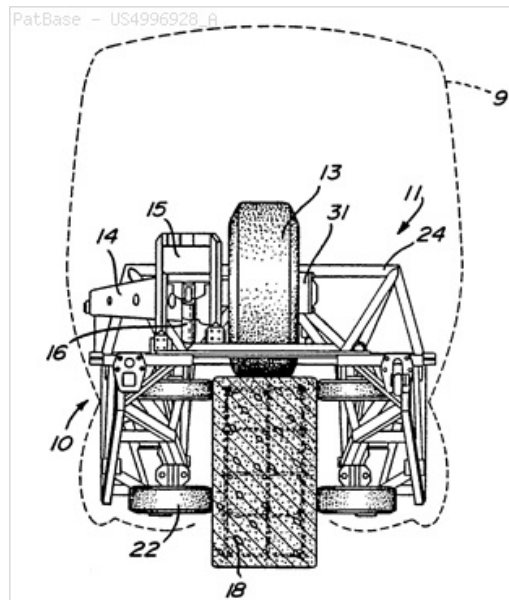
Title: INTEGRATED CHASSIS AND SUSPENSION SYSTEMS FOR MONORAIL VEHICLES

Abstract: A monorail vehicle support system for supporting a vehicle body along a monobeam rail having top and side running surfaces. An attachment frame is secured to opposed ends of the vehicle chassis. A single steerable load carrying wheel is supported in a vertical plane by the attachment frame for support engagement with the top running surface of the rail. A pair of side wheels, having pneumatic tires, are supported spaced-apart in parallel horizontal planes below the carrying wheel and on one side thereof for frictional engagement with one of the side running surfaces of the rail. A load arm secured at one end to an axle of the carrying wheel is provided with an air bag and a levelling system for maintaining the vehicle chassis at a substantially constant level with respect to the beam by compensating for vertical displacement of the pneumatic suspension element (airbag) caused by the load variations.

Classifications:

International (IPC 8-9): B60G17/04 B61B13/04 B61B13/06
B61C13/00 (Advanced/Invention);

B60G17/04 B61B13/04 (Core/Invention)
International (IPC 1-7): B61B13/04 B61C13/00
CPC: Y10S280/01 B60G17/04 B60G2202/152 B60G2300/10
B60G2300/102 B60G2400/252 B60G2500/30 B61B13/06
European: B60G17/04 B61B13/06 L60G202/152 L60G300/10
L60G300/102 L60G400/252 L60G500/30
US: 104/119 105/141 105/144 280/5.5 280/840 280/DIG.1



Family:

Publication number	Publication date	Application number	Application date
CA1327916 A1	19940322	CA19890611272	19890913
US4996928 A	19910305	US19890406243	19890912

Priority:

US19890406243 19890912 CA19890611272 19890913

Probable Assignee: BOMBARDIER INC

Assignee(s): (std): BOMBARDIER INC

Assignee(s): FONTAINE ANDRE G ; JANSSEN JAN

Inventor(s): (std): FONTAINE ANDRE G ; JANSSEN JAN

Agent(s): OGILVY RENAULT LLP SENCRL SRL

2) Family number: 7322911 (US5215015A)

PatBase

Title: Track system and vehicle having both magnetic and aerodynamic levitation, with wings on the vehicle carrying the whole weight at normal operating speeds

Abstract: A track vehicle such as a Maglev train has a body with superconducting coils mounted thereon which superconducting coils interact with vertically extending coils on guideways of a track to generate a propulsive force. The vehicle runs on wheels at low speeds but at higher speeds the superconducting coils may interact with ground coils to generate a lifting force. In order to reduce or eliminate stresses between the superconducting coils and the vehicle body, the vehicle has one or more wings of airfoil shape which generate lift. That lift may be sufficient to support the whole of the weight of the vehicle, enabling the ground coils to be eliminated. Furthermore, the shape of the superconducting coils may be changed so that they supply more energy to propulsive effects. Preferably the angle of incidence of the wing(s) is variable, to permit the lift generated thereby to be varied. This variation in the angle of incidence may be controlled by a sensor detecting the height of the body above the track, to maintain that height constant.

Classifications:

International (IPC 8-9): B60L13/04 B61B13/08 (Advanced/Invention);

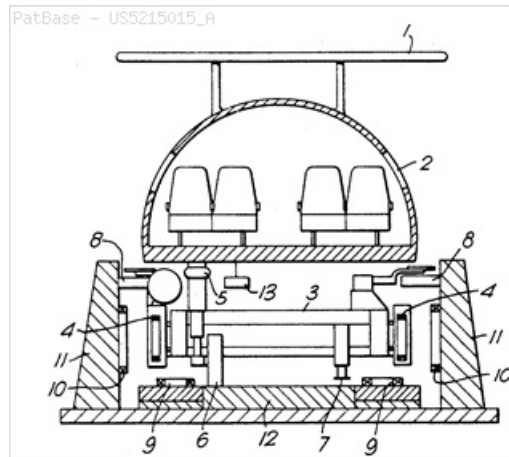
B60L13/04 B61B13/08 (Core/Invention)

International (IPC 1-7): B60L13/04 B60L13/06 B61B13/08

CPC: B61B13/08

European: B61B13/08

US: 104/23.1 104/231 104/281 104/284 104/293



Family:

Publication number	Publication date	Application number	Application date
DE69015935 D1	19950223	DE19906015935	19900829
DE69015935 T2	19950518	DE19906015935T	19900829

EP0417932 A1	19910320	EP19900309429	19900829
EP0417932 B1	19950111	EP19900309429	19900829
JP3178504 A2	19910802	JP19900242398	19900914
US5215015 A	19930601	US19920869220	19920416

Priority:

JP19890237064 19890914 US19900574772 19900820 US19920869220 19920416

Probable Assignee: HITACHI LTD

Assignee(s): (std): HITACHI LTD

Inventor(s): (std): TADA NAOFUMI ; IIDA FUMIO

Inventor(s): IIDA FUMIO HITACHI SHI IBARAKI 317 JP ; TADA NAOFUMI HITACHI SHI IBARAKI 316 JP

Designated states: CH DE FR GB LI NL

3) Family number: 28189148 (US2002040657A)

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Title: PULSED LINEAR INDUCTION MOTORS FOR MAGLEV APPLICATIONS

Abstract: Conventional linear induction motors (LIMS) have been used effectively to get linear thrust. These devices are typically short stator, and thus have entry and exit field effects. When a field enters a coil, there is a braking, drag force. A pulsed linear induction motor (PLIM) pulses the coils so that they push off the secondary shorted coils. Among the advantages gained by the use of these devices is no entry drag effect, simpler electronics required to excite the PLIM, and a smaller winding overhang past the steel structure of the PLIM. This invention describes coil arrangements useful for exciting a continuous array of coils, placed end to end, and coils that are overlapped. Control is realized by selecting the number of pulses to apply during the active excitation window.

Classifications:

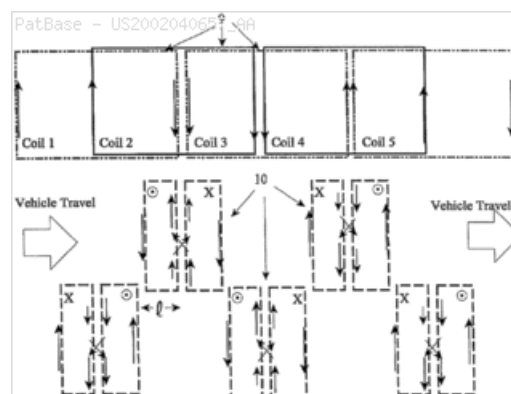
International (IPC 8-9): B60L13/10 (Advanced/Invention); B60L13/00 (Core/Invention)

International (IPC 1-7): B60L13/00 B60L13/04 B60L13/06

CPC: B60L2200/26 B60L13/10

European: B60L13/10 L60L200/26

US: 104/281 104/281S 104/282 104/283 104/284 104/285 104/286 104/292 104/294 310/12 310/12.09 310/12.21 310/12.22 310/12.25 310/12.28 310/12.31 310/255



Family:

Publication number	Publication date	Application number	Application date
US2002040657 AA	20020411	US20010834224	20010412
US5605100 A	19970225	US19920835156	19920212
US6044770 A	20000404	US19950493332	19950623
US6357359 BA	20020319	US20000507165	20000218

Priority:

US19900601109 19901023 US19920835156 19920212 US19930169484 19931217
US19950493332 19950623 US19990127076P 19990331 US20000507165 20000218
US20010834224 20010412

Probable Assignee: OLD DOMINION UNIV

Assignee(s): (std): AMERICAN MAGLEV TECHNOLOGY OF ; PARK SQUARE TECHNOLOGY LTD

Assignee(s): AMERICAN MAGLEV INC ; AMERICAN MAGLEV TECHNOLOGY INC ; AMERICAN MAGLEV TECHNOLOGY OF FLORIDA INC ; AMERICAN MAGLEY TECHNOLOGY OF FLORIDA INC ; DAVEY KENT ; DAVEY KENT R ; MORRIS TONY J ; OLD DOMINION UNIV ; OLD DOMINION UNIVERSITY ; PARK SQUARE CONSULTANTS

Inventor(s): (std): DAVEY KENT ; MORRIS TONY J ; DAVEY KENT R

4) Family number: 44367873 (US2001037747A)

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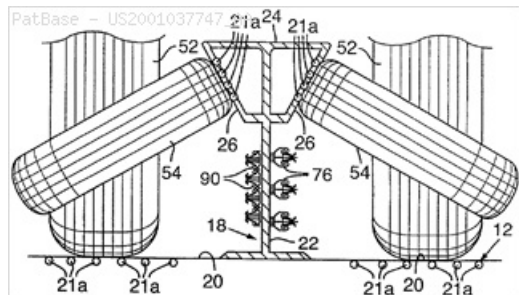
Title: MONORAIL SYSTEM

Abstract: A monorail system for passenger and light freight transportation provides a support structure with an essentially planar top surface and a stabilizer guide rail having a vertical web portion supporting a head portion. The head guides a vehicle along the top surface while conductors secured to the web portion transmit electrical current to the vehicle through a current collector secured to the vehicle. A portion of the stabilizer guide rail may be flexible providing a simple, inexpensive device for switching the vehicle between a plurality of tracks. The system operates equally well with a variety of vehicle propulsion and suspension systems including electromechanical, magnetic levitation or linear electric motors. In addition, the system may be operated with a semi-maglev system, wherein the vehicle is partially supported by wheels and magnetic levitation.

Classifications:

International (IPC 8-9): B60L13/00 B60L13/04 B60L13/06 B60L13/10 B60L5/38 B60L5/40 B61B13/00 B61B13/04 B61B13/06 B61B13/08 B61H5/00 E01B25/10 (Advanced/Invention); B60L13/04 (Advanced/Non-invention);

B60L13/00 B60L13/04 B61B13/00 B61B13/04 B61B13/08
E01B25/00 (Core/Invention);
B60L (Subclass/Invention)
International (IPC 1-7): B60L13/00 B60L13/04 B60L13/10 B61B13/06
B61B13/08 B61B5/00
CPC: E01B25/28 B60L2200/26 B60L5/38 B60L5/40 B60L13/10 B61B13/04
B60L13/06 E01B25/10 Y02T90/16
European: B60L13/06 B60L13/10 B60L5/38 B60L5/40 B61B13/04
E01B25/10 E01B25/28 L60L200/26 Y02T90/16
US: 104/118 104/120 104/124 104/124S 104/130.11 104/243 104/243S
104/244 104/281 104/284 105/136 105/145 105/147 105/167 105/172
105/174 191/22R



Family:

Publication number	Publication date	Application number	Application date
AT366200 E	20070715	AT20020713510T	20020201
AU2002245357 AA	20020819	AU20020245357	20020201
AU2002245357 BB	20051117	AU20020245357	20020201
CA2233738 AA	19990930	CA19982233738	19980331
CA2233738 C	20060905	CA19982233738	19980331
CA2437223 AA	20030801	CA20022437223	20020201
CA2437223 C	20091117	CA20022437223	20020201
CN100413727 C	20080827	CN20028007879	20020201
CN1501868 A	20040602	CN20028007879	20020201
DE60220990 D1	20070816	DE20026020990	20020201
DE60220990 T2	20080306	DE20026020990T	20020201
EP1363802 A1	20031126	EP20020713510	20020201
EP1363802 A4	20040428	EP20020713510	20020201
EP1363802 B1	20070704	EP20020713510	20020201
HK1065289 A1	20090424	HK20040108167	20041019
HK1065289 A3	20050218	HK20040108167	20041019
JP2004535321 T2	20041125	JP20020562592T	20020201
JP4446659 B2	20100407	JP20020562592T	20020201
KR100866003 B1	20081029	KR20037010242	20020201
KR20040004521 A	20040113	KR20037010242	20020201
US2001037747 AA	20011108	US20010775930	20010202
US5845581 A	19981208	US19960646198	19960507
US6182576 BA	20010206	US19980206792	19981207
US6450103 BB	20020917	US20010775930	20010202
WO02062612 A1	20020815	WO2002US02755	20020201

Priority:

US19960646198	19960507	CA19982233738	19980331	US19980081337P	19980408
US19980107485P	19981106	US19980206792	19981207	US20010775930	20010202
WO2002US02755	20020201	WO2002US02755	20030802		

Probable Assignee: EINER SVENSSON

Assignee(s): (std): EINER SVENSSON ; SVENSSON EINAR ; SVENSSON EINER

Assignee(s): EINAR SVENSSON

Inventor(s): (std): EINAR SVENSSON ; SVENSSON EINAR ; SVENSSON EINER

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BARRIGAR INTELLECTUAL PROPERTY LAW; 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 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 LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT 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

5) Family number: 12585401 (US6129028A)

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Title: Electrically powered transit car

Abstract: A mechanism for steering a beam guided vehicle having four steerable wheels linked to a centrally located steering trolley guided by an electrified T-shape beam mounted on a structural roadbed. A trolley flexibly propelled by the vehicle follows the guide beam to actuate the steering of the wheels. The trolley is quickly detachable by drop-pit access for rapid change-out to periodic off vehicle servicing. Two steering arm sensor posts engaging two sockets in the repositioned trolley guarantee interchangeability of standardized repaired units.

Classifications:

International (IPC 8-9): B62D1/26 (Advanced/Invention);

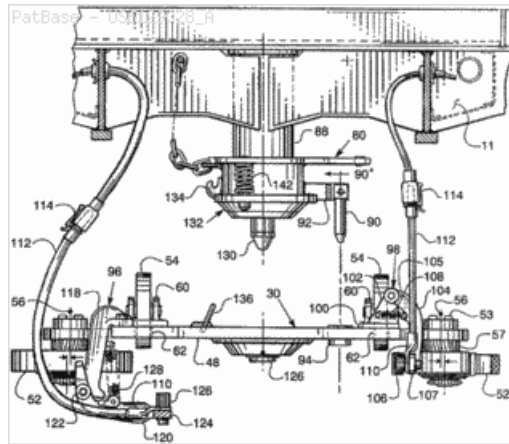
B62D1/00 (Core/Invention)

International (IPC 1-7): B61C3/00

CPC: B62D1/265

European: B62D1/26B

US: 104/243 104/245 105/72.2 105/722 191/22R 191/23R



Family:

Publication number	Publication date	Application number	Application date
US6129028 A	20001010	US19980170729	19981013

Priority:

US19980170729 19981013

Probable Assignee:	SHAW JOHN B
Assignee(s): (std):	SHAW JOHN B
Inventor(s): (std):	SHAW JOHN B

6) Family number: 28427420 (US2001039901A)

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Title: PASSIVE STEERING ASSEMBLY FOR A GUIDED VEHICLE

Abstract: A passive steering assembly for a guided vehicle movable along a guideway includes a vehicle including at least one axle structure; a pivot joint at each end of the axle structure; a wheel mounting pivotably engaged with each pivot joint; a hub for rotatably mounting a wheel to each wheel mounting; a wheel connected to each hub for moving the vehicle; and a lateral guide device for controlling the lateral position of the axle structure for steering the wheels to follow the path of the guideway and to a passive steering system including a plurality of such assemblies.

Classifications:

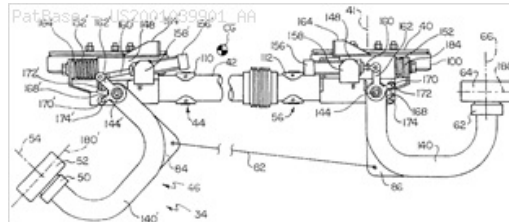
International (ipc 8-9): B62D1/26 (Advanced/Invention); B62D1/00 (Core/Invention)

International (ipc 1-7): B61B13/04 B62D1/26 E01B7/00

CPC: B62D1/265

European: B62D1/26B

US: 104/130.01 104/130.07 104/130.1 104/130.7 104/246 104/247 280/89.11 280/89.13



Family:

Publication number	Publication date	Application number	Application date
AU200114822 A1	20010606	AU20010014822	20001110
AU200114822 A5	20010606	AU20010014822D	20001110
US2001039901 AA	20011115	US19990438196	19991111
US6418856 BB	20020716	US19990438196	19991111
WO0134450 A1	20010517	WO2000US30920	20001110

Priority:

US19990438196 19991111 WO2000US30920 20001110

Probable Assignee: RAYTHEON CO

Assignee(s): (std): IANDIORIO AND TESKA ; RAYTHEON CO

Assignee(s): RAYTHEON COMPANY

Inventor(s): (std): FREDBURG MARVIN ; HOSSFELD ROBIN ; COLLINS DAVID C ; PUHLHORN JOHN

Inventor(s): ROBIN HOSSFELD ; DAVID C COLLINS ; JOHN PUHLHORN ; MARVIN FREDBURG

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 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 SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

7) Family number: 15436266 (US6308636B)

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Title: In-vehicle switch mechanism

Abstract: An in-vehicle switch mechanism for guiding a vehicle along a guideway at converging and diverging points of the guide rails in a guided vehicle system includes a support frame; a pivot assembly; a switch arm assembly pivotably mounted at its proximate end to the pivot assembly; a switch wheel rotatably mounted to the switch arm assembly at its distal end; an actuator for moving the switch arm between a deployed position in which the switch wheel engages a guide rail and a stowed position in which the switch wheel is free of the guide rail; and a biasing device interconnected between the support frame and pivot assembly for pre-loading the switch wheel against the guide rail when the switch wheel is deployed as the vehicle approaches the point of divergence; and an in-vehicle switch system which uses such in-vehicle switch mechanisms.

Classifications:

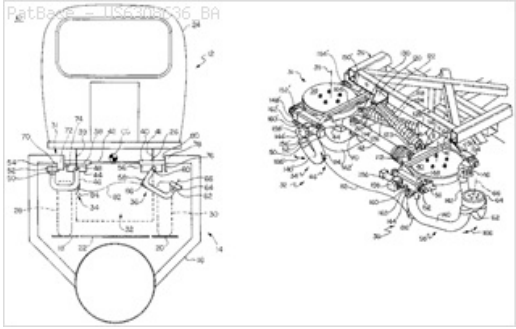
International (IPC 8-9): B61B13/04 B61L11/02 B61L23/00 B62D1/00 B62D1/26 E01B25/06 E01B25/28 (Advanced/Invention); B61L11/02 (Advanced/Non-invention); B61B13/04 B61L23/00 B62D1/00 E01B25/00 (Core/Invention)

International (IPC 1-7): B61L11/02 B62D1/0 E01B25/06 E01B25/28 E01B7/00

CPC: B60G2300/102 B61B13/04 B61L23/002 B62D1/265 E01B25/06

European: B61B13/04 B61L23/00A B62D1/26B E01B25/06 L60G300/102

US: 104/130.01 104/243 246/415R



Family:

Publication number	Publication date	Application number	Application date
AT287816 E	20050215	AT20000992332T	20001110
AU200143041 A1	20010604	AU20010043041	20001110
AU200143041 A5	20010604	AU20010043041D	20001110
AU780275 B2	20050310	AU20010043041	20001110
CA2391477 AA	20020513	CA20002391477	20001110
CA2391477 C	20050111	CA20002391477	20001110
DE60017776 D1	20050303	DE20006017776	20001110
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EP1227964 A2	20020807	EP20000992332	20001110
EP1227964 B1	20050126	EP20000992332	20001110
ES2238340 T3	20050901	ES20000992332T	20001110
KR100495372 B1	20050614	KR20027006064	20001110
KR20020085890 A	20021116	KR20027006064	20001110
US6308636 BA	20011030	US19990438732	19991111
WO0138158 A2	20010531	WO2000US42069	20001110
WO0138158 A3	20020214	WO2000US42069	20001110

Priority:

US19990438732 19991111 WO2000US42069 20001110 KR20027006064 20020510

Probable Assignee: RAYTHEON CO

Assignee(s): (std): COLLINS DAVID C ; RAYTHEON CO ; RAYTHEON COMPANY ; RAYTHEON COMPANY WALTHAM

Assignee(s): DAVID C COLLINS ; GARNEAU GERALD A JR ; LEWIS ALBERT E

Inventor(s): (std): ALBERT E LEWIS ; COLLINS DAVID C ; DAVID C COLLINS ; GARNEAU A ; GARNEAU GERALD A ; GARNEAU GERALD A JR ; GARNEAU JR GERALD A ; GERALD A GARNEAU JR ; LEWIS ALBERT E ; LEWIS E

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MACRAE AND CO

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 SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

8) Family number: 15434997 (US6298791B)

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Title: Lateral suspension assembly for a guided vehicle system

Abstract: A lateral suspension assembly for a guided vehicle system includes a pair of lateral wheel housings each including a lateral wheel rotatable about spaced vertical axes for engaging spaced opposing guide rails of the guided system; a lateral limit link for limiting outward travel of the lateral wheels beyond a predetermined limit; a pair of spaced support arms pivotably attached at one end to the guided vehicle and at the other to the lateral wheel housings; and a biasing device interconnected with each of the wheel housings for urging the lateral wheels in contact with the guide rails.

Classifications:

International (IPC 8-9): B61B13/04 B62D1/26 (Advanced/Invention); B61B13/04 B62D1/00 (Core/Invention)

International (IPC 1-7): B61B13/04 B61F9/00

CPC: B60G2200/34 B60G2200/345 B60G2202/312 B60G2204/423 B60G2300/10 B60G2300/102 B60G2400/204 B61B13/04 B62D1/265

European: B61B13/04 B62D1/26B L60G200/340 L60G200/345 L60G202/312 L60G204/423 L60G300/10 L60G300/102 L60G400/204

US: 104/243

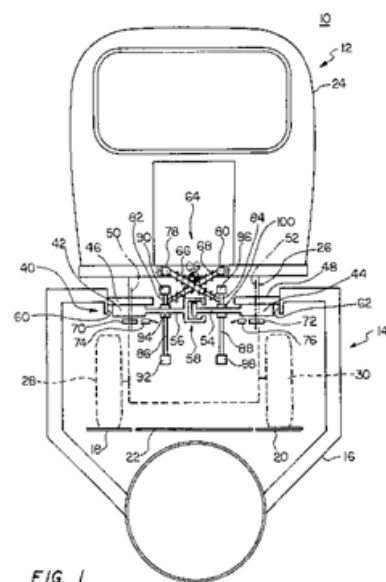


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU200147065 A1	20010618	AU20010047065	20001120
AU200147065 A5	20010618	AU20010047065D	20001120
US6298791 BA	20011009	US19990438176	19991111
WO0141551 A2	20010614	WO2000US42040	20001110
WO0141551 A3	20020214	WO2000US42040	20001110

Priority:

US19990438176 19991111 WO2000US42040 20001110 WO2000US42040 20001120

Probable Assignee: RAYTHEON CO

Assignee(s): (std): RAYTHEON CO

Assignee(s): RAYTHEON COMPANY

Inventor(s): (std): COLLINS DAVID C ; GARNEAU GERALD A JR ; GARNEAU JR GERALD A ; LEWIS ALBERT E

Inventor(s): ALBERT E LEWIS ; GERALD A GARNEAU JR ; DAVID C COLLINS ; GARNEAU GERALD A

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 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 SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

9) Family number: 43232192 (WO09059362A1)

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Title: A MONORAIL RAPID TRANSIT SYSTEM

Abstract: A monorail rapid transit system which includes a monorail track formed of rails (11) in the form of I-sectioned beams and vehicles or cars (10) which straddle the rails (11) and which have bogies (13) at each end, at least one of which is steerable and which include wheels (37) which are supported on and run along the upper flanges (62) of the rails (11). Stabilising wheels (60) are provided on opposite sides of the rails (11) to stabilise the vehicles or cars (10). Drive motors (55) are provided to drive the wheels (37) of the bogies (13) with power for the drive motor (55) being obtained from power supply rails (65) running along the track.

Classifications:

International (IPC 8-9): B61B13/04 B61B5/00 (Advanced/Invention); B61B13/04 B61B5/00 (Core/Invention)

CPC: B61B5/00 B61B13/04 E01B25/12 Y02T30/30

European: B61B13/04 B61B5/00 E01B25/12 Y02T30/30

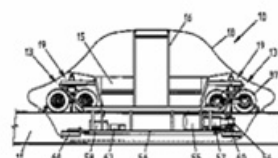


FIG. 1

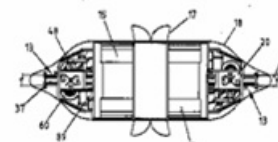


FIG. 2

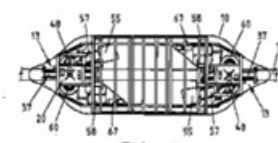


FIG. 3

Family:

Publication number	Publication date	Application number	Application date
AU2008324761 AA	20090514	AU20080324761	20081106
AU2008324761 BB	20131114	AU20080324761	20081106
EP2217482 A1	20100818	EP20080846901	20081106
EP2217482 A4	20131113	EP20080846901	20081106
WO09059362 A1	20090514	WO2008AU01642	20081106

Priority:

AU20070906101 20071106 AU20080324761 20081106 WO2008AU01642 20081106

Probable Assignee: UBEAUTI PTY LTD

Assignee(s): (std): UBEAUTI PTY LTD ; WHITTAKER STANLEY DAVID JOHN

Inventor(s): (std): WHITTAKER STANLEY DAVID JOHN

Inventor(s): STANLEY DAVID JOHN WHITTAKER

Agent(s): VARSITY IP; RAVEN IP; JACKSON DEREK CHARLES; GARDNER JOHN R G

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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 43296521 (WO09067116A1)

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Title: A CONTROL SYSTEM FOR A VEHICLE

Abstract: A method and system for controlling movement of a vehicle along a trajectory. The system includes a sensor for sensing an actual value for a specific trajectory profile parameter of the vehicle, and a propulsion control system in electronic communication with the sensor and the propulsion system for the vehicle. The propulsion control system generates separate trajectory profiles for movement of the vehicle along at least an earlier and a later increment of the trajectory, operates the propulsion system to move the vehicle along the earlier increment in accordance with the generated trajectory profile, receives actual value data from the sensor obtained during movement of the vehicle along the earlier increment, calculates any deviation between the actual value and the desired value for the specific trajectory profile parameter, and adjusts the generated trajectory profile for the later increment to compensate for any calculated deviation.

Classifications:

International (IPC 8-9): B60T7/12 (Advanced/Invention);

B60T7/12 (Core/Invention)

CPC: B60T7/22

European: B60T7/22



EP2296954 A4	20121024	EP20090750984	20090522
EP2296954 B1	20161214	EP20090750984	20090522
ES2623360 T3	20170711	ES20090750984T	20090522
US2009288578 AA	20091126	US20090471103	20090522
US2012137923 AA	20120607	US20120396227	20120214
US8113125 BB	20120214	US20090471103	20090522
US8578861 BB	20131112	US20120396227	20120214
WO09142753 A2	20091126	WO2009US03163	20090522
WO09142753 A3	20100422	WO2009US03163	20090522

Priority:

US20080128623 20080523 US20080128623P 20080523 EP20090750984 20090522
US20090471103 20090522 WO2009US03163 20090522 US20120396227 20120214

Probable Assignee: HILLTRAC INC

Assignee(s): (std): HEPNER ALAN ; HILLTRAC INC ; METIVIER DAVID

Inventor(s): (std): HEPNER ALAN ; METIVIER DAVID

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; CASSAN MACLEAN; CASSAN MACLEAN IP AGENCY INC; HASLER ERICH; GONZALEZ ALVARO LUIS; MORRIS OBRYANT COMPAGNI PC; EMINENT IP; PAUL C; EMINENT IP PC; OESTREICH PAUL C ET AL

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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 43550534 (US2009320713A)

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Title: PEOPLE AND CARGO TRANSIT SYSTEMS AND VEHICLES

Abstract: The Application discloses People and Cargo Transit Systems and Vehicles (PCTSV), using Narrow Vehicles (NV), which can have the form of a Bus, Train, Tram, Maglev, Mono-Rail or even Car or Truck. A preferred version of which is Single Seat Wide or below 70 cm wide, preferably a Bus type to need no Rail, using Dedicated Narrow Lanes adjacent to Curbside of existing intra-city streets or limits of inter-city roads. Said NV and Lane have Anti-Roll Over Means to stabilize such a narrow vehicle, which also eliminate NV Swaying even when NV is a Bus or Car with has no inherent Sway Limiting. Being Ultra Narrow with No Sway and Running at Curbside results in Negligible or No Blocking of other vehicles by NV.Said Lane/Tack, Anti-Sway and Anti-Roll Structures all Allow being Run Over by other Traffic and have structures not to be damaged, thus can be crossed over at Crossroads and other entrances and exits along said Lane. NV has enough Doors and is Narrow, hence each Passenger can reach a seat or exit, with No Isle inside it to walk along. So it can have Low Profile, like a Sports Car, some 120 cm tall. Hence it is easy to have Covered Trenches at cross roads for non-stop crossing. Trenches can run along most or all the Track, in which case adherence to streets and roads is relieved. Such Narrow and Shallow Trenches take a tiny fraction of time and costs of Skyways or Subways. Each Passenger thus can have her own door, own seat, in a small Cabin, which can be opened and closed to next Cabin, have reclining seats to join to that of next Cabin to sleep on, have laptop tray, etc. All those make PCTSV much more appealing to user's, even better than private transport. There are many Variations other than above. There is an NV Car for the last mile and or long distance use, which can integrate with NV Public Transit. Also modifications to NVs for use in Cargo and Parcel Transit.

Classifications:

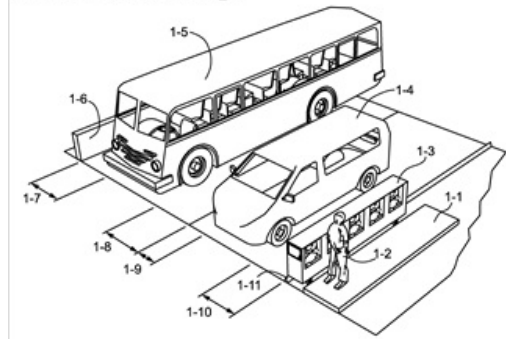
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CPC: B60G21/002 B60G21/005 B60G21/103 B60G21/106 B60T1/14 B61D13/00 B61D1/04 B61D1/02 E01C1/04 F16D63/00 B61F9/00 Y02T30/30 B62D55/02 B62D55/06 B62D55/18 B61B13/10 B61D1/06 B62D33/02 B61B13/00 B61B13/04 B61B13/06 B62D24/04 E01B25/28

European: B61B13/00 B61B13/04 B61B13/06 B61F9/00 B62D24/04 E01B25/28 E01C1/04 F16D63/00 Y02T30/30

US: 104/242 104/281 104/306 104/306S 104/307 104/307S 105/343 105/345 180/9.34 280/1 280/1S

PatBase - US2009320713_AA



Family:

Publication number	Publication date	Application number	Application date
EP2318253 A1	20110511	EP20090768655	20090522
EP2318253 A4	20140101	EP20090768655	20090522
GB200908705 A0	20090701	GB20090008705	20090521
GB201216949 A0	20121107	GB20120016949	20090521
GB201217026 A0	20121107	GB20120017026	20090521
GB2461148 A1	20091230	GB20090008705	20090521
GB2492275 A1	20121226	GB20120016949	20090521
GB2492275 B2	20130206	GB20120016949	20090521
GB2493466 A1	20130206	GB20120017026	20090521
US2009320713 AA	20091231	US20090470433	20090521
US2011107939 AA	20110512	US20090001419	20090522
US2014261057 AA	20140918	US20140252062	20140414
US2016311478 AA	20161027	US20160201954	20160705
WO09155685 A1	20091230	WO2009CA00671	20090522

Priority:

US20080075348 20080625US20080075348P 20080625US20090155851 20090226US20090178413 20090514US20090470433 20090521US20090001419 20090522US20100001419 20101224US20140252062 20140414US20090155851P 20090226US20090178413P 20090514WO2009CA00671 20090522US20160201954 20160705

Probable Assignee: AMIRI AHMAD

Assignee(s): (std): AMIRI AHMAD

Assignee(s): INVENTALL INC ; AHMAD AMIRI

Inventor(s): (std): AMIRI AHMAD

Inventor(s): AHMAD AMIRI

Agent(s): AHMAD AMIRI

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 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 45945002 (US2011259236A) © PatBase

Title: WHEEL-TYPE ULTRA HIGH SPEED RAILWAY SYSTEM

Abstract: The wheel-type high-speed railway system includes rails provided on a railroad track and configured such that wheels provided in a bogie of a vehicle come into contact with them, a support provided on a tread surface of a railroad track between the rails, a repulsive Linear Synchronous Motor (LSM) provided between the bogie and the support and configured to improve traveling performance by reducing axle load in a high-speed region, first and second steel plates mounted on both sides of the support in inclined positions, and first and second attractive Dynamic Motion Control (DMC) magnets mounted on the bogie of the vehicle in inclined positions to correspond to the first and second steel plates, and configured to generate attractive force.

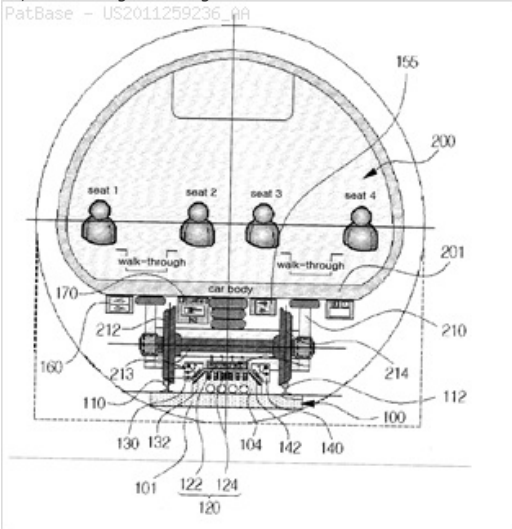
Classifications:

International (IPC 8-9): B60L13/00 B60L13/10
B61B13/10 (Advanced/Invention);
B60L13/10 (Advanced/Non-invention);
B60L13/00 (Core/Invention)

CPC: B60L2200/26 B60L13/03 B60L2220/14 B61B13/10 B61B13/12 B60L13/10

European: B60L13/03 B60L13/10 B61B13/10 B61B13/12 L60L200/26 L60L220/14

US: 104/138.1 104/138.100P 104/281 104/290 104/290S 701/19 701/19S



Family:

Publication number	Publication date	Application number	Application date
KR101006849 B1	20110112	KR20080138433	20081231
KR20100079850 A	20100708	KR20080138433	20081231
US2011259236 AA	20111027	US20090142193	20091216
US8505463 BB	20130813	US20090142193	20091216
WO10076992 A2	20100708	WO2009KR07532	20091216
WO10076992 A3	20100826	WO2009KR07532	20091216
WO10076992 A9	20101014	WO2009KR07532	20091216

Priority:

KR20080138433 20081231 WO2009KR07532 20091216

Probable Assignee: KOREA RAILROAD RESEARCH INST

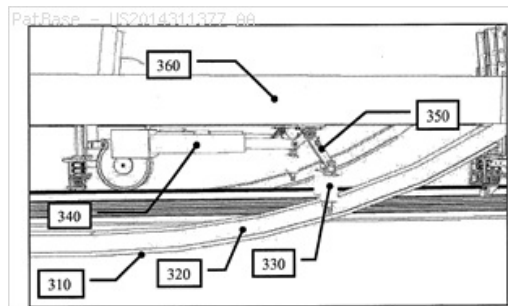
Assignee(s): (std): KWON SAM YOUNG ; LEE JUN SUK ; LEE HYUNG WOO ; PARK HYUN JUNE ; PARK CHAN BAE ; LEE BYUNG SONG ; KRRI ; CHO YONG HYEON ; CHOE KANG YOUN ; KIM MAN CHEOL ; KIM NAM PO ; KOREA RAILROAD RES INST ; PARK HYNN JUNE ; YANG SIN CHU

Assignee(s): KOREA RAILROAD RESEARCH INSTITUTE ; KOREA RAILROAD RESEARCH INST

Inventor(s): (std): CHO YONG HYEON ; CHOE KANG YOUN ; KIM MAN CHEOL ; KIM NAM PO ; KWON SAM YOUNG ; LEE BYUNG SONG ; LEE HYUNG WOO ; LEE JUN SUK ; PARK CHAN BAE ; PARK HYNN JUNE ; PARK HYUN JUNE ; YANG SIN CHU

Agent(s): RABIN AND BERDO PC; KIM KUK JIN

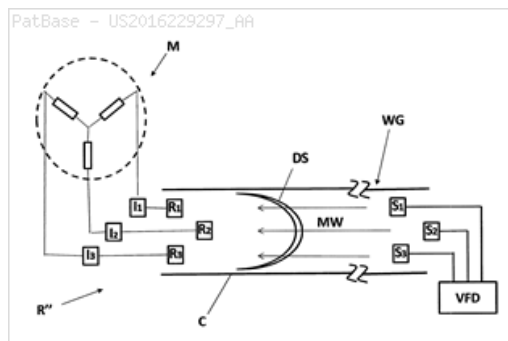
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Title: SWITCHING DEVICE CONFIGURED FOR OPERATION ON A CONVENTIONAL RAILROAD TRACK**Abstract:** RailPods are an alternative personal rapid transit system that operate on and utilize existing railroad infrastructure. RailPods are one to two passenger vehicles that travel on one rail of a traditional railroad track. RailPods provide on-demand transportation to cities and towns where rail exists or can be built.**Classifications:****International (IPC 8-9):** B61B13/04 B61D15/12 B61F1/00 B61F19/02 E01B7/18 (Advanced/Invention)**CPC:** B61F19/02 E01B7/18 B61D15/12 Y02T30/30**US:** 104/130.01 104/243 105/141 105/147**Family:**

Publication number	Publication date	Application number	Application date
US2014311377 AA	20141023	US20140220994	20140320
US8720345 BA	20140513	US20090580550	20091016
US9669847 BB	20170606	US20140220994	20140320

Priority:

US20080106718P 20081020 US20090580550 20091016 US20140220994 20140320

Probable Assignee: RAIL POD INC**Assignee(s):** (std): ENGLISH BRENDAN ; RAIL POD INC**Inventor(s):** (std): ENGLISH BRENDAN**Agent(s):** SAUL EWING LLP; MICHAEL A; ERIK J; CLOCKTOWER LAW**Title:** POWER SUPPLY SYSTEM AND METHOD FOR A MOVABLE VEHICLE WITHIN A STRUCTURE**Abstract:** A power supply system and method for a vehicle movable within a structure is provided. The power supply system includes at least one energy source arranged at a fixed location within the structure to transmit energy within the structure, and a receiver, arranged on the vehicle to receive the energy transmitted from the energy source, being configured to convert the energy to electrical power and/or thrust.**Classifications:****International (IPC 8-9):** B23K31/02 B23P11/02 B23P15/20 B60L1/00 B60L11/00 B60L13/03 B60L13/04 B60L13/06 B60L13/10 B60L3/00 B60M1/10 B60T1/14 B60V3/04 B61B1/00 B61B1/02 B61B13/00 B61B13/08 B61B13/10 B61B13/12 B61C11/06 B61C15/00 B61C3/00 B61H13/00 B61H9/00 B61L15/00 B61L19/00 B61L21/10 B61L23/00 B61L23/14 B61L23/34 B61L25/02 B61L27/00 B61L27/04 B63B27/28 B63B38/00 B65G51/20 B65G63/02 B65G67/24 B65G67/60 B66C25/00 E01B2/00 E01B25/00 E01B25/12 E01B25/30 E02D29/00 E02D29/045 E02D29/063 F02K99/00 F04D19/02 F04D25/06 F04D29/32 F16D63/00 F16K1/20 F16K27/04 F16K3/00 F16K3/02 F16K3/03 F16K3/04 F16K3/06 F16K3/12 F16K3/30 F16K7/10 F16L3/18 F16L51/00 F16L9/17 H02G3/00 H02K15/06 H02K15/12 H02K3/28 H02K3/38 H02K41/02 H02P25/00 H02P25/06 H02P6/00 (Advanced/Invention); B61L23/00 (Advanced/Non-invention)**CPC:** B60L11/002 B61B13/08 B60L13/06 B23P11/025 B61L19/00 B61B1/02 B60L2200/26 E02D29/063 B61H13/00 B65G67/603 B63B27/28 E01B2/003 B65G67/24 B66C25/00 B63B38/00 B23K31/027 E02D29/04 B23P15/20 F04D25/0666 F04D19/024 F04D29/321 F16L51/00 F16K3/30 F16K3/12 F16K3/03 B61C3/00 H02K41/02 H02K15/12 B61C11/06 B65G51/20 Y10S505/908 F04D19/026 F04D25/0606 F04D25/16 F16K1/2014 F16K3/02 F16K3/06 F16K7/10 F16K27/044 H02K3/04 B61L15/0027 B61L21/10 B61L23/34 B61L25/021 B61L25/025 B61L27/0038 B61L27/04 B61L2210/04 E01B25/12 B61L23/002 B61B13/12 E01B25/00 Y02T30/40 E02D29/045 F16K3/04 B61B13/10 B60T1/14 B61C15/00 B61H9/00 F16D63/008 H02P6/006 H02P25/06 B61B1/00 E01B25/30 B60L11/1801 B60L13/10**US:** 104/138.1 104/28 105/49 285/298 29/428 307/9.1 310/12.22 414/139.9 415/1 701/19 701/20**Family:**

Publication number	Publication date	Application number	Application date
AU2016215689 AA	20160811	AU20160215689	20160127
CA2975711 AA	20170802	CA20162975711	20160127
CN107406009 A	20171128	CN201680010079	20160127
CN107428258 A	20171201	CN201680009359	20160127
CN107466444 A	20171212	CN201680009303	20160127
EP3253612 A1	20171213	EP20160747012	20160127
EP3253636 A1	20171213	EP20160747007	20160127
IN201747026337 A	20171124	IN201747026337	20170725

KR20170125340 A	20171114	KR20177025259	20160127
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US2016229297 AA	20160811	US20160007974	20160127
US2016229416 AA	20160811	US20160007883	20160127
US2016229417 AA	20160811	US20160007452	20160127
US2016229418 AA	20160811	US20160007783	20160127
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Probable Assignee: HYPERLOOP TECHNOLOGIES INC

Assignee(s): (std): HYPERLOOP TECH INC ; HYPERLOOP TECHNOLOGIES INC

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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 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