

Search strategy

Query

((CAR OR TROLLEY) AND RAIL AND CLAMP AND ADJUSTABLE AND HEIGHT AND MEASUR+ AND CATENARY)/TI/AB/DESC/ODES

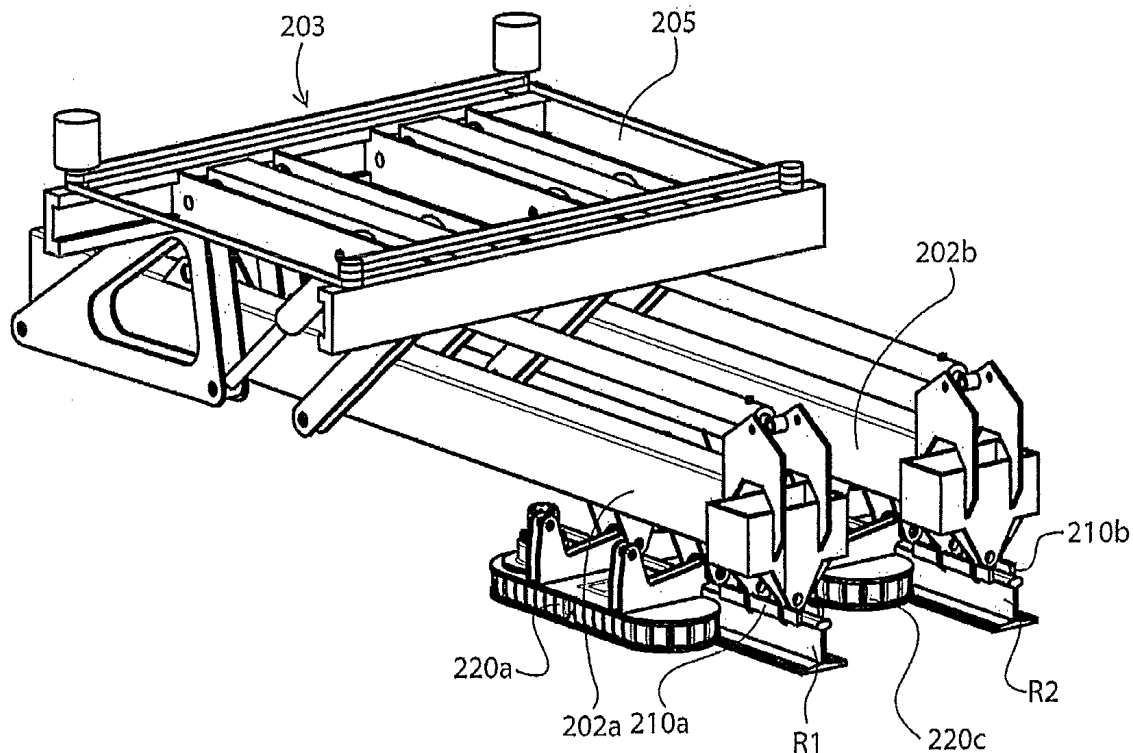
6 Documents

Publication numbers	Title	Current assignees
EP2791421 A1	Rail -pushing car and method for placing rails	ETF
EP-479764 A1	Machine for the control of catenary wire.	FRANZ PLASSER BAHNBAUMASCH
EP1036238 A1	Elevated cableway system	AEROBUS INT
EP-863041 A2	Current collecting method and current collector	HITACHI
EP3000644 A1	Transport system with a vehicle which can be fed from an overhead electric installation and is not rail -bound	SIEMENS MOBILITY
EP2516203 A2	Charging stations for electric vehicles	PROTERRA

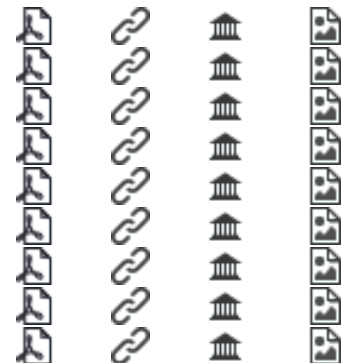
Family 1/6 - FAMPAT - ©Questel

Title

(EP2791421)

Rail-pushing **car** and method for placing rails**Images****Publication numbers with kind code & date**

EP2791421	B1	2017-01-04	EP2791421
FR2983877	B1	2016-01-01	FR2983877
IN5371/DELNP/2014	A	2015-03-27	IN2014DN05371
US20140366766	A1	2014-12-18	US20140366766
EP2791421	A1	2014-10-22	EP2791421
AU2012351420	A1	2014-07-17	AU2012351420
CA2858502	A1	2013-06-20	CA2858502
WO2013/088022	A1	2013-06-20	WO201388022
FR2983877	A1	2013-06-14	FR2983877

**Abstract**

(EP2791421)

The invention relates to a railway **car** (100) for placing long rails onto a railway platform, comprising a rear end (200) hitched to a **rail** transport **car** and a front end (400) and further comprising, on the rear end (200) thereof, at least one means (202a, 202b) for longitudinally removing a **rail** from a **rail** storage arranged on said **rail** transport **car** and at least one first means for driving the **rail** such as to move said **rail** to the front of said **car**. Said first drive means takes up said **rail** between two motor-driven tracked trains, each comprising a tracked belt sent between two wheels, said tracked trains being provided such as to take a relative position in which said tracked belts face each other and the axles of said wheels are vertical.

Inventors

CHAI NE GUILLAUME

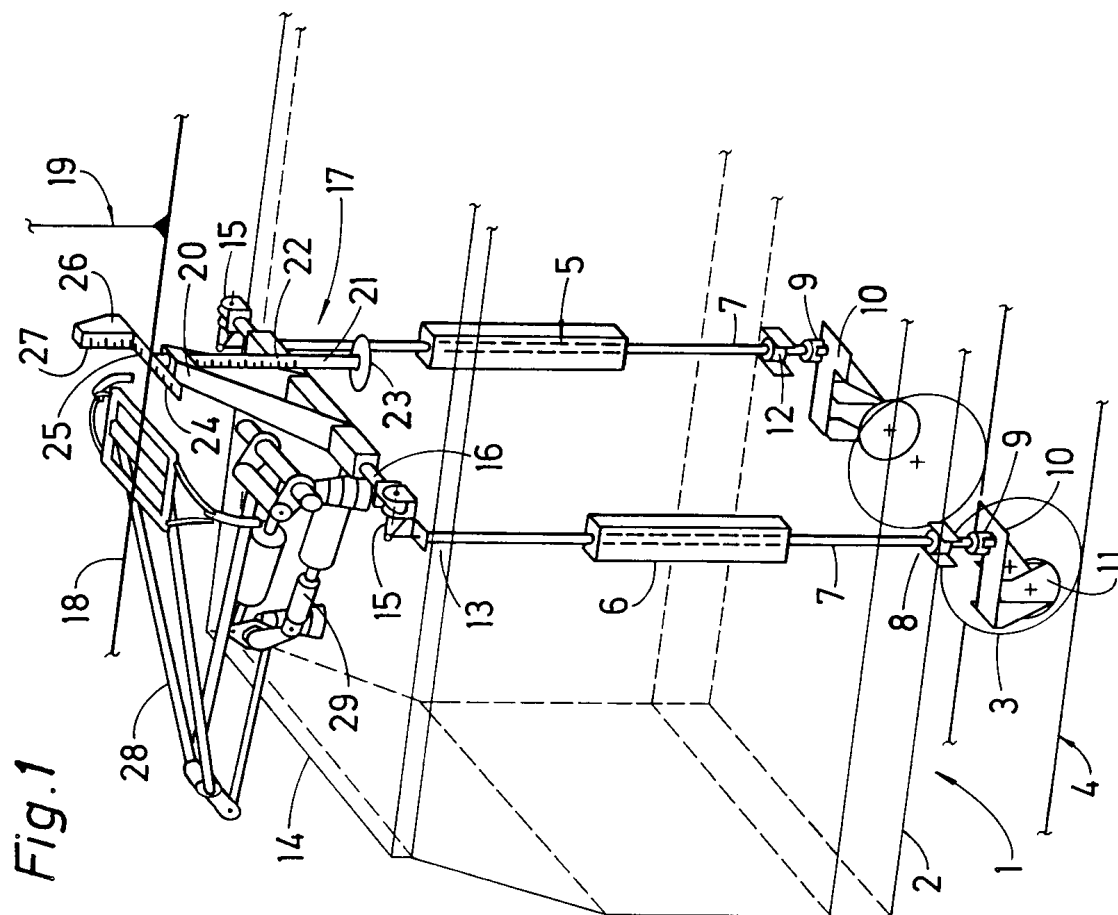
Latest standardized assignees - inventors removed

ETF

Family 2/6 - FAMPAT - ©Questel

Title

(EP-479764)

Machine for the control of **catenary** wire.**Images****Publication numbers with kind code & date**

FI100708	B	1998-02-13	FI-100708
SK278636	B6	1997-12-10	SK-278636
CN1030299	C	1995-11-22	CN1030299C
PL166539	B1	1995-05-31	PL-166539
RU2025323	C1	1994-12-30	RU2025323
SU2025323	C1	1994-12-30	SU2025323
DE59100694	D1	1994-01-20	DE59100694
CZ278465	B6	1994-01-19	CZ-278465
AT98167	T	1993-12-15	ATE098167
EP0479764	B1	1993-12-08	EP-479764
AU638867	B2	1993-07-08	AU-638867
HU206655	B	1992-12-28	HU-206655
US5161312	A	1992-11-10	US5161312
JP04230434	A	1992-08-19	JP04230434
PL291889	A1	1992-06-26	PL91291889
CS300591	A3	1992-05-13	CS9103005
CN1060711	A	1992-04-29	CN1060711
HUT59060	A	1992-04-28	HU-T59060
AU8488991	A	1992-04-09	AU9184889
EP0479764	A1	1992-04-08	EP-479764
FI914624	A	1992-04-04	FI9104624



[HU913124](#)

D0 1992-01-28

HU9103124

[FI914624](#)

A0 1991-10-02

FI9104624

**Abstract**

(EP0479764)

Machine (1) for the control of the contact wire (18) of an overhead wire (19) with a **rail** running gear (3) which rolls on rails of a track (4), a travel drive and machine frame (2) having a vertically **adjustable measuring** bar (28). A **measuring** frame (5) is mounted thereon in a vertically **adjustable** fashion, the lower end region (8) of which frame is constructed for support on an axle bearing housing (11) of the **rail** running gear (3), the upper end region (13) of the **measuring** frame (5) being connected to a **measuring** device (17) for the vertical position of the contact wire (18). ...<IMAGE>...

Inventors

THEURER JOSEF

GRUBER LEOPOLD RUDOLF

Latest standardized assignees - inventors removed

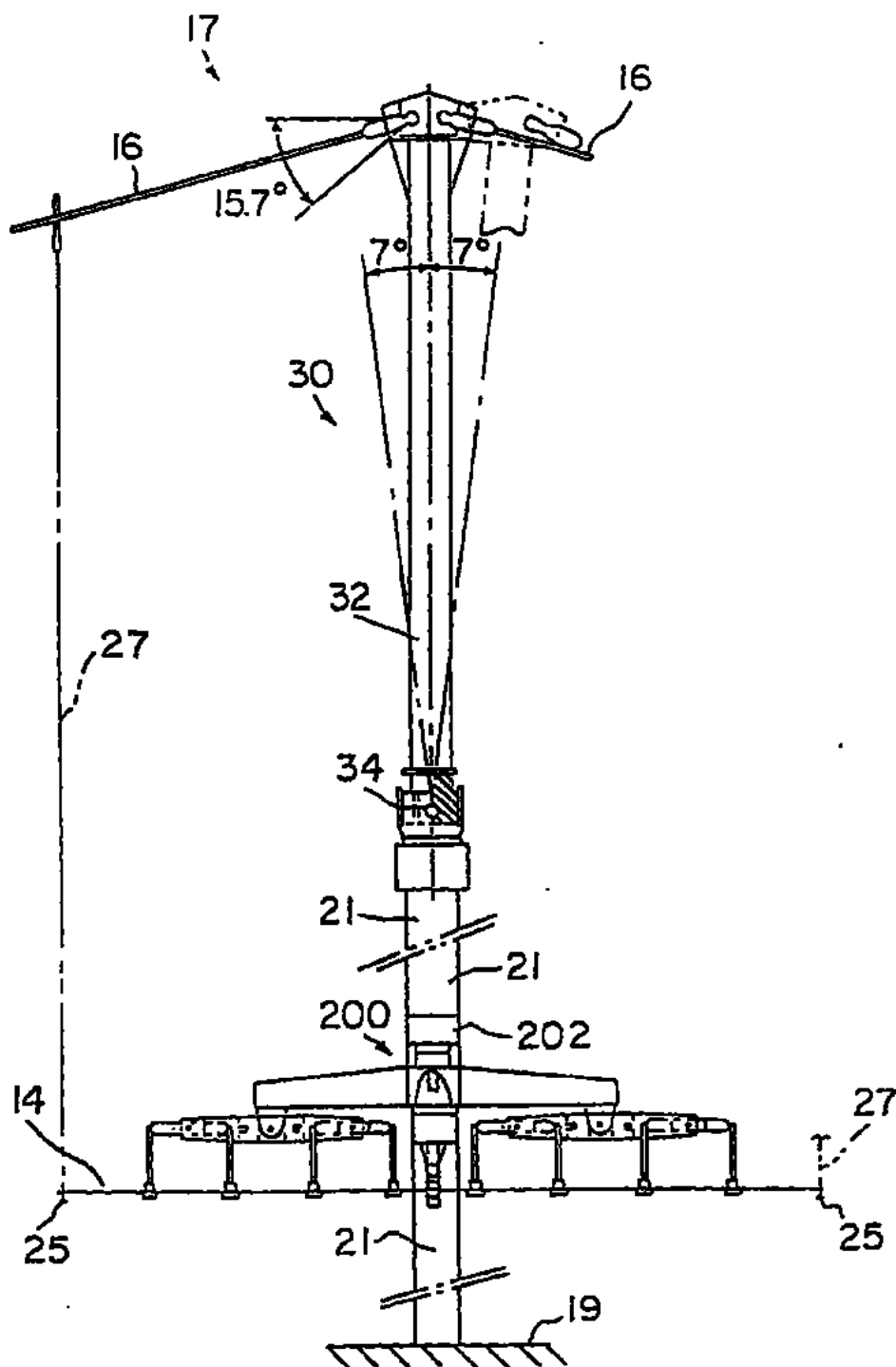
FRANZ PLASSER BAHNBAUMASCH

Family 3/6 - FAMPAT - ©Questel

Title

(EP1036238)

Elevated cableway system

Images**FIG. 6****Publication numbers with kind code & date**

CA2311762	C	2005-05-03	CA2311762
DE69728070	T2	2005-01-20	DE69728070
DE69727843	T2	2004-12-30	DE69727843
ES2219228	T3	2004-12-01	ES2219228
ES2216774	T3	2004-11-01	ES2216774



ES2216774	T3	2004-11-01	ES2216774				
ES2216775	T3	2004-11-01	ES2216775				
DE69727842	T2	2004-07-22	DE69727842				
DE69728070	D1	2004-04-15	DE69728070				
DE69720296	T2	2004-04-01	DE69720296				
DE69727842	D1	2004-04-01	DE69727842				
DE69727843	D1	2004-04-01	DE69727843				
AU734946	C	2004-03-25	AU-734946				
AT260369	T	2004-03-15	ATE260369				
AT260370	T	2004-03-15	ATE260370				
AT261512	T	2004-03-15	ATE261512				
EP1054104	B1	2004-03-10	EP1054104				
EP1052331	B1	2004-02-25	EP1052331				
EP1052332	B1	2004-02-25	EP1052332				
HK1027605	A1	2003-08-01	HK1027605				
NZ505394	A	2003-07-25	NZ-505394				
DE69720296	D1	2003-04-30	DE69720296				
AT235605	T	2003-04-15	ATE235605				
EP1036238	B1	2003-03-26	EP1036238				
CN1103395	C	2003-03-19	CN1103395C				
JP3342476	B2	2002-11-11	JP3342476				
EP1054104	A3	2002-01-16	EP1054104				
EP1052331	A3	2002-01-09	EP1052331				
EP1052332	A3	2002-01-09	EP1052332				
JP2001526334	A	2001-12-18	JP2001526334				
KR100294270	B1	2001-09-17	KR100294270				
AU734946	B2	2001-06-28	AU-734946				
EP1054104	A2	2000-11-22	EP1054104				
EP1052331	A2	2000-11-15	EP1052331				
EP1052332	A2	2000-11-15	EP1052332				
EP1036238	A1	2000-09-20	EP1036238				
KR19990076760	A	1999-10-15	KR19990076760				
AU5374498	A	1999-06-28	AU9853744				
CA2311762	A1	1999-06-17	CA2311762				
WO99/29960	A1	1999-06-17	WO9929960				
CN1218748	A	1999-06-09	CN1218748				

Abstract

(EP1036238)

An improved cableway system for providing a track over which a vehicle traverses is disclosed. The improved system includes a **catenary** cable system (16) and a pair of track cable systems (14). The track cable systems (14) are hung from the **catenary** cable system (16) and support tracks over which a vehicle (12) traverses. A plurality of hangers (27) is employed to suspend the track cable systems (14) from the **catenary** cable system (16). A plurality of pylons (17) support the **catenary** and track cable systems (14, 16). A pylon (17) includes a base pylon (21), a lower saddle (200), and an upper saddle (30). The lower saddle (200) is pivotally mounted to the base pylon (21) and supports the track cable systems (14). Preferred embodiments of the lower saddle (200) include apparatuses that dampen the application of loads to the pylon (17) by the vehicle (12) traversing the system. The upper saddle (30) is supported by the base pylon (21) and supports the **catenary** cable system (16) while providing for deflection of the **catenary** cable system (16) in response to forces applied to the cableway system. A preferred embodiment of the cableway system includes a force equalizing assembly (300) for joining the **catenary** cable system (16) to the track cable system (14) at points between support pylons (17) to equalize the tension in the cables among the various cables.

Inventors

LAMOREAUX BEN

WETTSTEIN HANS

AASHEIM PER

PUGIN ANDRE O

Latest standardized assignees - inventors removed

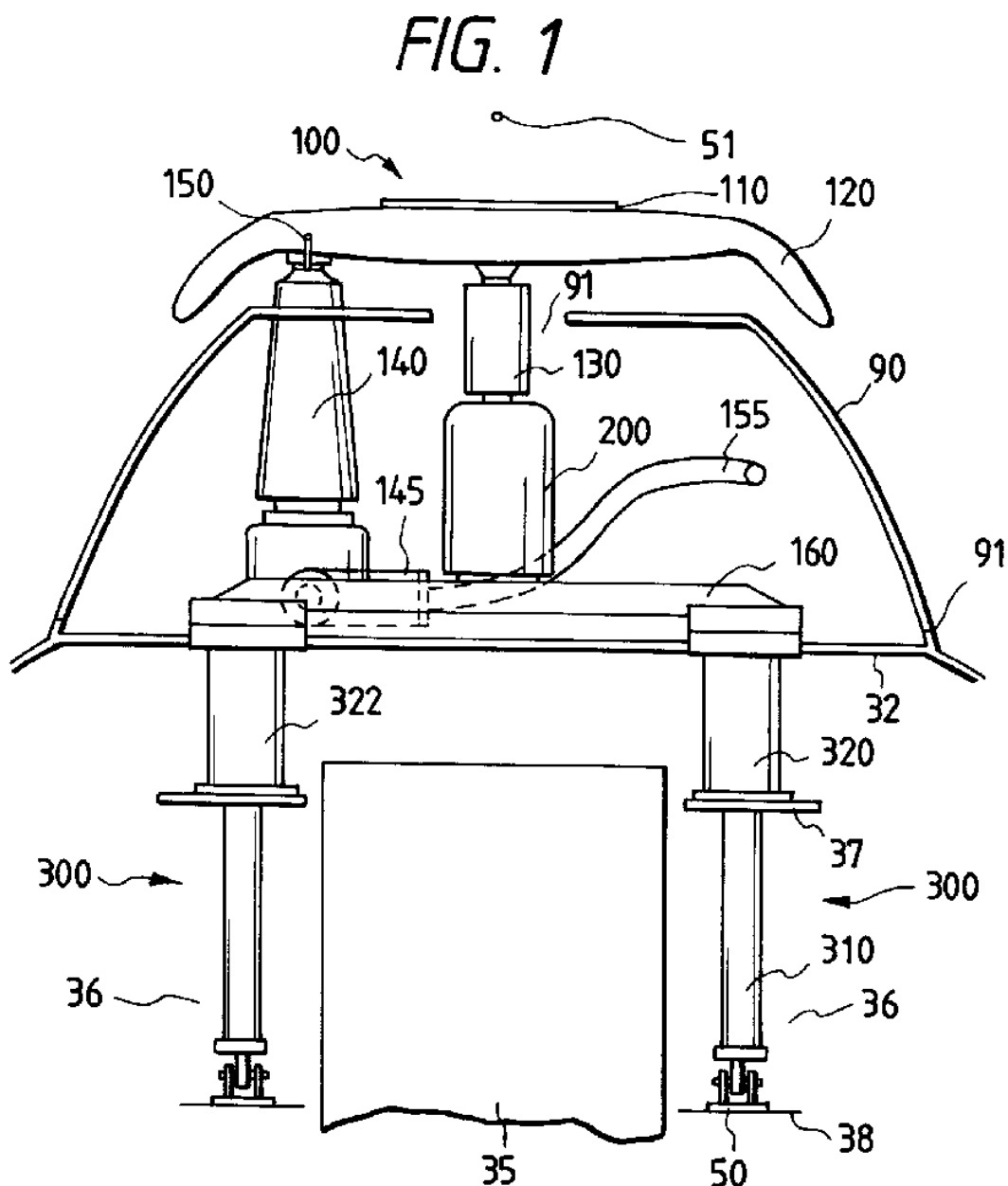
AEROBUS INT

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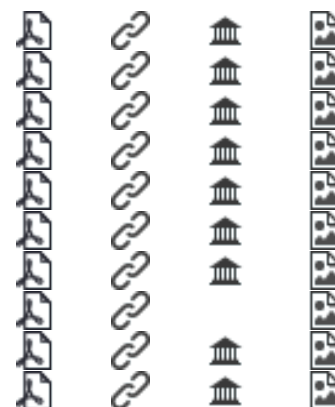
Title

(EP-863041)

Current collecting method and current collector

Images**Publication numbers with kind code & date**

DE69509711	T2	2000-01-13	DE69509711
EP0863041	A3	1999-08-11	EP-863041
DE69509711	D1	1999-06-24	DE69509711
EP0697304	B1	1999-05-19	EP-697304
EP0863041	A2	1998-09-09	EP-863041
EP0697304	A3	1996-07-03	EP-697304
CN1123747	A	1996-06-05	CN1123747
KR960007261	A	1996-03-22	KR19960007261
JP08065808	A	1996-03-08	JP08065808
EP0697304	A2	1996-02-21	EP-697304

**Abstract**

(EP0863041)

This invention relates to a current collecting equipment for a high-speed railroad train and the object is to allow the contact strip to be moved to a large extent without rotating the contact strip and other associated devices and components A contact strip 110 and a collector head 120 are mounted on a raise/lower device 200 through a load cell 226 The raise/lower device 200 is moved vertically by two raise/lower devices 300, 300. The two raise/lower devices 300 are installed in non-passenger spaces on both sides of an aisle 35 in the vehicle body 31. The cylinder devices 210, 310 of the raise/lower devices 200, 300 are supported by the guide devices 220, 320 so that their rods do not tilt. The guide device 320 is secured to the vehicle body. When current is not collected, the raise/lower devices 200, 300 are contracted to lower the contact strip 110. When electric current is collected, the height of the second raise/lower device 300 is controlled according to the height of the predetermined trolley wire 51, and the raise/lower device 200 is controlled so that the value measured by the load cell becomes equal to a specified value. <IMAGE>

Inventors

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KOBAYASHI KENJI

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Latest standardized assignees - inventors removed

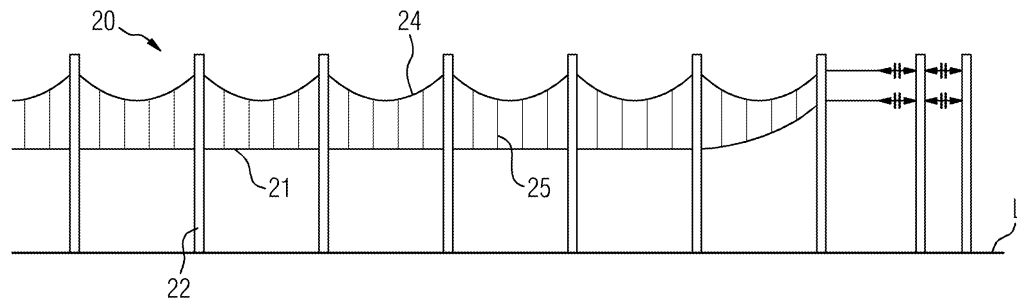
HITACHI

Family 5/6 - FAMPAT - ©Questel

Title

(EP3000644)

Transport system with a vehicle which can be fed from an overhead electric installation and is not rail-bound

Images**Publication numbers with kind code & date**

EP3000644	B1	2020-06-03	EP3000644
US10023074	B2	2018-07-17	US10023074
DE102014219466	A1	2016-03-31	DE102014219466
US20160090007	A1	2016-03-31	US20160090007
EP3000644	A1	2016-03-30	EP3000644

**Abstract**

(EP3000644)

A transportation system with a non-rail-bound, electrically or diesel-electrically driven vehicle, has a two-pole overhead conductor system with contact wires forming supply and return conductors. The vehicle has a current collector for the supply of electrical energy through sliding contact with the contact wires. A video detector on the vehicle determines a position of the contact wires relative to the vehicle. Marking elements mark the position of the contact wires. The video detector is oriented for taking video images of the marking elements, and an evaluation unit recognizes from a recorded video image whether contact wires are present above the vehicle and, when they are present, determines their position relative to the vehicle. Through the improved recognition of the position of the vehicle relative to the overhead conductor the operational safety of the transportation system is improved.

(From US10023074 B2)

Inventors

GRÄBNER OLIVER

BÜHS FLORIAN

FRANCKE JÜRGEN

GERSTENBERG FRANK

KEIL GÖRAN

Latest standardized assignees - inventors removed

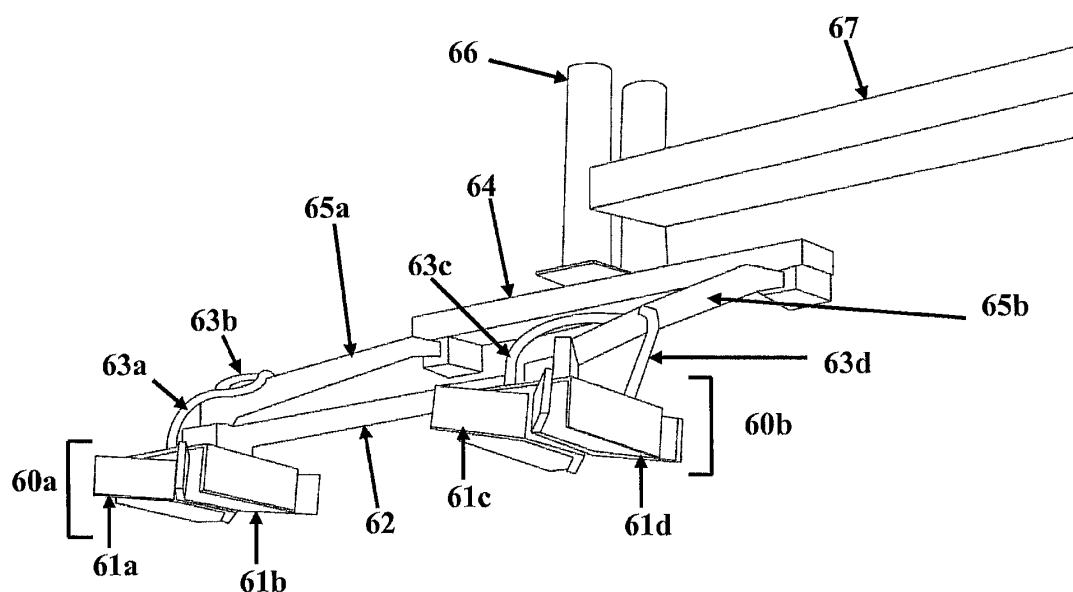
SIEMENS MOBILITY

Family 6/6 - FAMPAT - ©Questel

Title

(EP2516203)

Charging stations for electric vehicles

Images**Publication numbers with kind code & date**

BRPI0915229	A2	2019-09-24	BR200915229
CA2785516	C	2019-09-17	CA2785516
US10232724	B2	2019-03-19	US10232724
EP3141417	B1	2019-02-27	EP3141417
US20190039479	A1	2019-02-07	US20190039479
US10112498	B2	2018-10-30	US10112498
US9908435	B2	2018-03-06	US9908435
US20170217334	A1	2017-08-03	US20170217334
EP3141417	A3	2017-04-12	EP3141417
EP2516203	A4	2017-03-22	EP2516203
EP3141417	A2	2017-03-15	EP3141417
CA2729356	C	2017-02-07	CA2729356
US20160362014	A1	2016-12-15	US20160362014
US20160311336	A1	2016-10-27	US20160311336
EP2296933	B1	2016-10-05	EP2296933
US9446672	B2	2016-09-20	US9446672
US9352658	B2	2016-05-31	US9352658
IL210178	B	2014-12-31	IL-210178
US20140340040	A1	2014-11-20	US20140340040
US8829853	B2	2014-09-09	US8829853
EP2296933	A4	2014-07-30	EP2296933
US20140070767	A1	2014-03-13	US20140070767
IN5637/DELNP/2012	A	2014-03-07	IN2012DN05637
BR112012015381	A1	2013-12-31	BR112012015381
US20130193919	A1	2013-08-01	US20130193919
AU2009266952	B2	2013-05-16	AU2009266952
JP2013515645	A	2013-05-09	JP2013515645
CN102917907	A	2013-02-06	CN102917907



CN102917907	A	2013-02-06	CN102917907				
US8324858	B2	2012-12-04	US8324858				
CO6561795	A2	2012-11-15	CO6561795				
EP2516203	A2	2012-10-31	EP2516203				
MX2012007381	A	2012-10-01	MX2012007381				
KR20120101566	A	2012-09-13	KR20120101566				
IL220615	A	2012-08-30	IL-220615				
AU2010336422	A1	2012-07-19	AU2010336422				
CO6351766	A2	2011-12-20	CO6351766				
WO2011/079215	A3	2011-11-17	WO201179215				
JP2011526858	A	2011-10-20	JP2011526858				
IN8463/CHENP/2010	A	2011-09-16	IN2010CN08463				
KR20110082120	A	2011-07-18	KR20110082120				
PE20110476	A1	2011-07-15	PE047602011				
CN102123882	A	2011-07-13	CN102123882				
CA2785516	A1	2011-06-30	CA2785516				
WO2011/079215	A2	2011-06-30	WO201179215				
CL2010001546	A1	2011-06-17	CL2010001546				
IL210178	A	2011-03-31	IL-210178				
MX2010014551	A	2011-03-29	MX2010014551				
EP2296933	A2	2011-03-23	EP2296933				
WO2010/003021	A3	2010-03-11	WO201003021				
US20100039067	A1	2010-02-18	US20100039067				
AU2009266952	A1	2010-01-07	AU2009266952				
CA2729356	A1	2010-01-07	CA2729356				
WO2010/003021	A2	2010-01-07	WO201003021				

Abstract

(EP2516203)

The invention relates to systems and methods for charging a vehicle. A vehicle and charging station can be designed such that an electric or hybrid vehicle can operate in a fashion similar to a conventional vehicle by being opportunity charged throughout a known route.

Inventors

MORRIS DONALD

HILL DALE

HORTH JOHN

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ABBOTT TERESA J

REEVES WILLIAM JOSEPH LORD

WIENS RYAN THOMAS

Latest standardized assignees - inventors removed

PROTERRA