

Title (en)

GUIDEWAY ACTIVATED MAGNETIC SWITCHING OF VEHICLES

Title (de)

FAHRWEGAKTIVIERTER MAGNETISCHER FAHRZEUGRICHTUNGSWECHSEL

Title (fr)

COMMUTATION MAGNETIQUE DE VEHICULES COMMANDEE PAR RAIL DE GUIDAGE

Publication

EP 1907257 A2 20080409 (EN)

Application

EP 06788033 A 20060719

Priority

- US 2006028266 W 20060719
- US 70177705 P 20050722

Abstract (en)

[origin: WO2007013991A2] A system for switching a transport vehicle comprising: a guideway, a vehicle that moves along the guideway, and a magnetic field source that creates a force on the vehicle to affect motion in a desired direction at a switch. Once the vehicle has started motion through the switch the guidance can be continued by use of permanent magnets until the normal guidance system is effective. The switching scheme can work with any suspension scheme, including wheels and maglev, and can work with any lateral guidance scheme, including horizontal guide wheels and magnetic guidance. The system can be used with very closely spaced vehicles, such as with Personal Rapid Transit, material handling, and elevators with multiple cabs in the same shaft.

IPC 8 full level

B61B 13/08 (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2007013991A2

Cited by

WO2022268281A1; WO2022268280A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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WO 2007013991 A2 20070201; WO 2007013991 A3 20081211; CN 101489849 A 20090722; EP 1907257 A2 20080409; JP 2009514716 A 20090409; KR 20080033440 A 20080416; TW 200736103 A 20071001; US 2007044676 A1 20070301

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