

Title (en)
SWITCH ARRANGEMENT FOR MAGNETICALLY LEVITATED RAILWAYS

Title (de)
WEICHENANORDNUNG FÜR MAGNETSCHWEBEBAHNEN

Title (fr)
SYSTÈME D'AIGUILLAGE POUR TRAINS À SUSTENTATION MAGNÉTIQUE

Publication
EP 1977044 A2 20081008 (DE)

Application
EP 07711140 A 20070110

Priority
• DE 2007000044 W 20070110
• DE 102006003678 A 20060124

Abstract (en)
[origin: US2009013898A1] Disclosed is a switch arrangement for magnetically levitated railways, comprising a support (1), which is bendable transversally to the direction of travel and is provided with track or component fittings, a rail arranged transversally to the direction of travel, a rack (23) arranged transversally to the direction of travel and a supporting frame (15) for receiving said support (1). The supporting frame is supported on the rail by a running wheel (16) and comprises a drive mechanism (18) with a toothed wheel (20) that engages in the rack (23) as well as a motor for the propulsion thereof. According to the invention, the support (1), the supporting frame (15) and the drive mechanism (18) form, as an entity, a firmly connected assembly which is arranged in such a manner that it can be displaced in the direction of travel and relative to the rail (17) and the rack (23).

IPC 8 full level
E01B 25/34 (2006.01)

CPC (source: EP US)
E01B 25/34 (2013.01 - EP US)

Citation (search report)
See references of WO 2007085223A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2009013898 A1 20090115; US 8166884 B2 20120501; AT E548510 T1 20120315; CN 101007538 A 20070801; CN 101007538 B 20110525; DE 102006003678 A1 20070802; EP 1977044 A2 20081008; EP 1977044 B1 20120307; WO 2007085223 A2 20070802; WO 2007085223 A3 20090409

DOCDB simple family (application)
US 15968507 A 20070110; AT 07711140 T 20070110; CN 200710008108 A 20070124; DE 102006003678 A 20060124; DE 2007000044 W 20070110; EP 07711140 A 20070110