

Title (en)
DEVICE FOR POSITIONALLY SECURING AND GUIDING RAILS

Title (de)
VORRICHTUNG ZUR LAGESICHERUNG UND FÜHRUNG VON SCHIENEN

Title (fr)
DISPOSITIF DE POSITIONNEMENT ET DE GUIDAGE DE RAILS

Publication
EP 2027338 A1 20090225 (DE)

Application
EP 07765389 A 20070613

Priority

- EP 2007055811 W 20070613
- DE 202006009340 U 20060614

Abstract (en)
[origin: US2010127092A1] A device for positional securing and guiding of rails for railway tracks for trains, in particular high-speed trains, includes guide plates. In general, rails are laid directly or indirectly by intermediate assembly of intermediate plates to fixed concrete track beds and guide plates, against which the rail base and possibly intermediate plates lie laterally. Guide plates are embedded on or in the concrete track beds, wherein the guide plates are fabricated of high-strength, form-stable material, preferably reinforced plastic, such as for example glass-fiber reinforced plastic, in particular polyamide. The device according to the invention allows to create guide plates which are overall more wear resistant. Wear resistance is achieved in that the guide plate within the surface area, on which the rail base rests, has an insert or areas provided with inserts, the insert being fabricated of slippable, low-abrasion or friction-resistant, low-wear or wear-resistant and flexibly resilient material.

IPC 8 full level
E01B 9/30 (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP US)
E01B 9/28 (2013.01 - EP US); **E01B 9/681** (2013.01 - EP US)

Citation (search report)
See references of WO 2007144366A1

Cited by
WO2018091353A3

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2010127092 A1 20100527; US 8181887 B2 20120522; AR 061450 A1 20080827; AU 2007260022 A1 20071221; AU 2007260022 B2 20120705; BR PI0713699 A2 20121106; CA 2653026 A1 20071221; CA 2653026 C 20141104; CN 101466898 A 20090624; CN 101466898 B 20130102; CR 10471 A 20090511; CU 23841 A3 20121015; DE 202006009340 U1 20060817; DO P2008000066 A 20090630; EA 014568 B1 20101230; EA 200802212 A1 20090428; EG 25172 A 20111005; EP 2027338 A1 20090225; EP 2027338 B1 20150916; ES 2554120 T3 20151216; HK 1127379 A1 20090925; JP 2009540162 A 20091119; JP 5149284 B2 20130220; KR 101587965 B1 20160122; KR 20090039714 A 20090422; MA 30423 B1 20090504; MX 2008015404 A 20081212; PL 2027338 T3 20160331; SA 07280320 B1 20111008; TN SN08470 A1 20100414; TW 200809049 A 20080216; TW I402398 B 20130721; UA 88659 C2 20091110; WO 2007144366 A1 20071221; ZA 200809979 B 20090930

DOCDB simple family (application)
US 30406707 A 20070613; AR P070102570 A 20070612; AU 2007260022 A 20070613; BR PI0713699 A 20070613; CA 2653026 A 20070613; CN 200780022003 A 20070613; CR 10471 A 20081128; CU 20080224 A 20081126; DE 202006009340 U 20060614; DO 2008000066 A 20081203; EA 200802212 A 20070613; EG 2008111909 A 20081125; EP 07765389 A 20070613; EP 2007055811 W 20070613; ES 07765389 T 20070613; HK 09107167 A 20090805; JP 2009514790 A 20070613; KR 20097000711 A 20070613; MA 31401 A 20081121; MX 2008015404 A 20070613; PL 07765389 T 20070613; SA 07280320 A 20070613; TN SN08470 A 20081120; TW 96121310 A 20070613; UA A200706658 A 20070613; ZA 200809979 A 20081124