

Title (en)
GROOVED RAIL

Title (de)
RILLENSCHIENE

Title (fr)
RAIL A GORGE

Publication
EP 1809811 A1 20070725 (DE)

Application
EP 05810007 A 20051103

Priority
• DE 2005001961 W 20051103
• DE 102004054794 A 20041112

Abstract (en)
[origin: US2007278322A1] The invention relates to a grooved rail for rail vehicles provided with flange wheels, said grooved rail comprising a rail head (5) provided with a running rail (2), a flange groove (3), and a counterrail (4), in addition to a rail web (6), a rail base (7), and lateral rail chambers (8,9) extending between the rail head and the rail base. The running rail comprises a vehicle-guiding flange (10) extending towards the flange groove, said flange being asymmetrically arranged in relation to the rail head, when the depth of the flange groove is more than >20 mm in relation to an essentially horizontally extending axis (11) of the rail web, in such a way that the width part (B 1) of the rail base, on the side of the running rail, is larger, at least by the factor 1.2, than the width part (B 2) on the side of the counterrail.

IPC 8 full level
E01B 5/04 (2006.01)

CPC (source: EP US)
E01B 5/04 (2013.01 - EP US)

Citation (search report)
See references of WO 2006050693A1

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

DOCDB simple family (publication)
US 2007278322 A1 20071206; US 7648079 B2 20100119; AT E399227 T1 20080715; AU 2005304143 A1 20060518; AU 2005304143 B2 20091203; CA 2582819 A1 20060518; CA 2582819 C 20110104; DE 102004054794 B3 20060420; DE 112005003387 A5 20071025; DE 502005004542 D1 20080807; DK 1809811 T3 20080922; EP 1809811 A1 20070725; EP 1809811 B1 20080625; ES 2307215 T3 20081116; PL 1809811 T3 20081231; PT 1809811 E 20080730; RU 2342479 C1 20081227; SI 1809811 T1 20081231; UA 86113 C2 20090325; WO 2006050693 A1 20060518

DOCDB simple family (application)
US 66752305 A 20051103; AT 05810007 T 20051103; AU 2005304143 A 20051103; CA 2582819 A 20051103; DE 102004054794 A 20041112; DE 112005003387 T 20051103; DE 2005001961 W 20051103; DE 502005004542 T 20051103; DK 05810007 T 20051103; EP 05810007 A 20051103; ES 05810007 T 20051103; PL 05810007 T 20051103; PT 05810007 T 20051103; RU 2007121676 A 20051103; SI 200530397 T 20051103; UA A200705190 A 20051103