

Title (en)
RAIL-FASTENING SYSTEM

Title (de)
SCHIENENBEFESTIGUNGSSYSTEM

Title (fr)
SYSTÈME DE FIXATION POUR RAILS

Publication
EP 2718498 A1 20140416 (DE)

Application
EP 12727797 A 20120611

Priority
• DE 102011106363 A 20110610
• EP 2012002455 W 20120611

Abstract (en)
[origin: WO2012167947A1] Rail-fastening system for the non-positive resilient fastening of a rail (2) on a sleeper (1) of a railway track installation, comprising at least one angle guide plate (5), which can be fixed to the sleeper (1) with at least one screw (4), and at least one clamp (3), characterized in that the bending radii of the clamp arms (3a, 3b) of the clamp (3) preferably lie in the range from 18-70 mm, wherein the ratio of mutually adjacent bending radii within each clamping arm is = 1.9 and the ratio of the greatest to the smallest bending radius thereof is = 3.8, and in that the ratio of weight to width of the angle guide plate is < 1.3 g/mm, preferably about 1.25 g/mm.

IPC 8 full level
E01B 9/30 (2006.01)

CPC (source: EP KR US)
E01B 9/02 (2013.01 - US); **E01B 9/30** (2013.01 - KR); **E01B 9/303** (2013.01 - EP US); **E01B 9/681** (2013.01 - US)

Citation (search report)
See references of WO 2012167947A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012167947 A1 20121213; AU 2012266790 A1 20140109; AU 2012266790 B2 20170622; BR 112013031605 A2 20161206; BR 112013031605 B1 20210209; CA 2838423 A1 20121213; CA 2838423 C 20190319; CN 103748285 A 20140423; CN 103748285 B 20161123; DK 2718498 T3 20160725; EP 2718498 A1 20140416; EP 2718498 B1 20160406; ES 2574419 T3 20160617; HU E027747 T2 20161028; JP 2014516126 A 20140707; JP 6095650 B2 20170315; KR 101981601 B1 20190523; KR 20140028048 A 20140307; MA 35248 B1 20140703; MX 2013014492 A 20140327; MX 339653 B 20160602; PL 2718498 T3 20160930; PT 2718498 T 20160714; RS 54793 B1 20161031; RU 2013158333 A 20150720; RU 2592184 C2 20160720; SI 2718498 T1 20160729; UA 113521 C2 20170210; US 2014103132 A1 20140417; US 9290888 B2 20160322; ZA 201308374 B 20140730

DOCDB simple family (application)
EP 2012002455 W 20120611; AU 2012266790 A 20120611; BR 112013031605 A 20120611; CA 2838423 A 20120611; CN 201280028450 A 20120611; DK 12727797 T 20120611; EP 12727797 A 20120611; ES 12727797 T 20120611; HU E12727797 A 20120611; JP 2014513948 A 20120611; KR 20137031948 A 20120611; MA 36545 A 20131210; MX 2013014492 A 20120611; PL 12727797 T 20120611; PT 12727797 T 20120611; RS P20160372 A 20120611; RU 2013158333 A 20120611; SI 201230591 A 20120611; UA A201400134 A 20120611; US 201214115677 A 20120611; ZA 201308374 A 20131107