

Title (en)

Support point and attachment for rails to a wooden sleeper

Title (de)

Stützpunkt und Befestigung für Schienen auf einer Holzschwelle

Title (fr)

Base et fixation de rail à une traverse en bois

Publication

EP 2133468 B1 20110209 (DE)

Application

EP 09100335 A 20090612

Priority

DE 102008028093 A 20080613

Abstract (en)

[origin: EP2133468A1] The point has a ribbed plate (1) made of plastic polyamide and anchored on a side of a rail by a fastening bolt (5), and a set of collars (14) arranged in a bottom side of the plate and in engagement with depressions in a wooden tie (2). A set of raised ribs (11) is made of plastic and arranged in the plate for guiding a rail foot (SF). An independent claim is also included for a rail fastening comprising an intermediate layer.

IPC 8 full level

E01B 9/40 (2006.01)

CPC (source: EP US)

E01B 9/40 (2013.01 - EP US)

Cited by

EP2388374A3

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2133468 A1 20091216; EP 2133468 B1 20110209; AT E498031 T1 20110215; DE 102008028093 A1 20091217; DE 502009000363 D1 20110324; ES 2361534 T3 20110617; PL 2133468 T3 20110729; RU 2009122494 A 20101220; RU 2468134 C2 20121127; US 2009302126 A1 20091210; US 7922102 B2 20110412; WO 2009150247 A1 20091217

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