

Title (en)  
Fastening device for rails

Title (de)  
Befestigungsvorrichtung für Schienen

Title (fr)  
Dispositif de fixation de rail

Publication  
**EP 1693514 B1 20140409 (FR)**

Application  
**EP 06290191 A 20060202**

Priority  
FR 0501069 A 20050203

Abstract (en)  
[origin: EP1693514A2] The device has an elastic fastener forming spring comprising a U-shape central loop (112) extended by two external branches (114a, 114b) having free end sections (124). The end section and a section (121) comprising a rear support zone (126) are parallel and curved, for each branch. The rear support zone and a front support zone (127) are aligned along axes (a, b) perpendicular to the direction of a rail.

IPC 8 full level  
**E01B 9/48** (2006.01)

CPC (source: EP)  
**E01B 9/303** (2013.01); **E01B 9/483** (2013.01)

Citation (examination)  
• EP 1116827 A1 20010718 - VOSSLOH WERKE GMBH [DE]  
• DE 8505011 U1 19880107

Cited by  
WO2010076047A1; DE102010013055A1; EP2204494A1; EA017980B1; AU2009335235B2; AP3385A; US9139959B2; EP2410090A1; CN114775339A; WO2009101457A1; US8430335B2; WO2011032932A1; EP2553172A2

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)  
**EP 1693514 A2 20060823; EP 1693514 A3 20070725; EP 1693514 B1 20140409**; ES 2477969 T3 20140718; FR 2881446 A1 20060804; FR 2881446 B1 20070608

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