

Title (en)

HOOK BOLT FOR FASTENING RAILS TO HOLLOW SLEEPERS

Title (de)

HAKENBOLZEN ZUR SCHIENENBEFESTIGUNG AUF HOHLSCHWELLEN

Title (fr)

BOULON-CROCHET POUR FIXATION DE RAILS SUR DES TRAVERSES CREUSES

Publication

EP 2542717 B1 20160629 (DE)

Application

EP 10707004 A 20100303

Priority

EP 2010052683 W 20100303

Abstract (en)

[origin: WO2011107148A1] A hook bolt (40) for fastening rails to hollow sleepers (12), in particular steel sleepers, comprises an engagement element (18) made of cast metal, which has a hook-shaped insertion section (20) and a contact section (21), which has a receiving space (22) for receiving a threaded element (24), wherein the threaded element (24) has a threaded bolt (30) and a receiving shoe (26) and the receiving shoe (26) is dimensioned in such a way that the receiving shoe can be inserted into the receiving space (22) of the contact section (21) in a form-fit manner.

IPC 8 full level

E01B 9/34 (2006.01)

CPC (source: EP US)

E01B 9/34 (2013.01 - EP US)

Citation (examination)

DE 46755 C

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 SM TR

DOCDB simple family (publication)

WO 2011107148 A1 20110909; AP 2012006483 A0 20121031; AR 080674 A1 20120502; BR 112012022202 A2 20160705;
CA 2791326 A1 20110909; CN 102918205 A 20130206; CN 102918205 B 20141008; EP 2542717 A1 20130109; EP 2542717 B1 20160629;
MX 2012010194 A 20121001; US 2013126629 A1 20130523; US 8876015 B2 20141104

DOCDB simple family (application)

EP 2010052683 W 20100303; AP 2012006483 A 20100303; AR P110100668 A 20110303; BR 112012022202 A 20100303;
CA 2791326 A 20100303; CN 201080065112 A 20100303; EP 10707004 A 20100303; MX 2012010194 A 20100303;
US 201013582484 A 20100303