Title (en)
FIXATION OF A RAIL TO A TIE PLATE BY MEANS OF CYLINDRICAL CLAMPING BOLTS

Title (de)
SCHIENENBEFESTIGUNG AN EINER UNTERLEGPLATTE MITTELS ZYLINDRISCHER KLEMMBOLZEN

Title (fr)
ATTACHE DE RAIL SUR UNE PLAQUE INTERCALAIRE AU MOYEN DES BOULONS DE SERRAGE CYLINDRIQUES

Publication
EP 3279397 A1 20180207 (EN)

Application
EP 16183038 A 20160805

Priority
EP 16183038 A 20160805

Abstract (en)
A rail fastening device (10) for fastening a rail (11) to a structure (12), comprising a baseplate (16) and a fastening element (17), wherein the baseplate has a support (22) with a through aperture (23) for receiving the fastening element (17), and wherein the fastening element (17) is arranged to extend through the aperture (23) and partly overlap a foot (15) of the rail (11) for fastening of the rail (11) to the baseplate (16). The aperture (23) is at least partially facing the rail (11) supported by the rail supporting portion (20) and the first end portion (28) of the fastening element (17) is arranged to be inserted through the aperture (23) and overlap the foot (15) of the rail (11). The first and second end portions (28, 29) of the fastening element are formed with a chamfer (31), and the fastening element (17) is arranged with a curvature, wherein the bottom portion of the intermediate portion (30) of the fastening element (17) is convex. Disclosed is also a method for fastening a rail (11) to a structure (12).

IPC 8 full level
E01B 9/48 (2006.01); E01B 9/50 (2006.01)

CPC (source: EP)
E01B 9/483 (2013.01); E01B 9/50 (2013.01)

Citation (search report)
- [XYI] US 1379531 A 19210524 - COOPER FRANCIS W, et al
- [Y] US 2645427 A 19530714 - CLOVIS NAUD
- [Y] WO 2006106089 A2 20061012 - KOELNER VERKEHRS BETR E AG [DE], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3279397 A1 20180207; EP 3279397 B1 20190306

DOCDB simple family (application)
EP 16183038 A 20160805