

Title (en)
ANCHOR CLAMP AND FASTENING POINT FOR FASTENING A RAIL TO A SUBSURFACE

Title (de)
SPANNKLEMME UND BEFESTIGUNGSPUNKT ZUM BEFESTIGEN EINER SCHIENE AUF EINEM UNTERGRUND

Title (fr)
ATTACHES DE SERRAGE ET POINT DE FIXATION POUR FIXER UN RAIL SUR UN FOND

Publication
EP 3541993 A1 20190925 (DE)

Application
EP 17805122 A 20171109

Priority
• DE 102016122062 A 20161116
• DE 102017111781 A 20170530
• EP 2017078781 W 20171109

Abstract (en)
[origin: WO2018091351A1] The invention relates to an anchor clamp (1, 101) for holding down a rail for rail vehicles and a rail fastening point set up thereon. The anchor clamp (1, 101) has a middle section (2, 102) with two limbs (4, 5; 104, 105), and two torsional sections (8, 9; 108, 109) connected thereto and leading laterally outwards, with a supporting area (10, 11; 110, 111) on the lower side thereof and two holding arms (12, 13; 112, 113) which are connected to the torsional sections (8, 9; 108, 109). The holding arms (12, 13; 112, 113) extend towards the front side (V) of the anchor clamp (1, 101) and have a spring section (14, 15; 114, 115) and a supporting section (18, 19; 118, 119) with a supporting zone (10, 11; 110, 111), with which they are supported on the base of the rail during use, the supporting sections (18, 19; 118, 119) facing laterally outwards in relation to the middle section (2, 102) of the anchor clamp (1, 101) such that the straight lines (G1, G2), which respectively connect the centre of the supporting zones (20, 21; 120, 121) of the holding arms (12, 13; 112, 113) to the centre (Z10, Z11; Z110, Z111) of the supporting zones (10, 11; 110, 111) of the torsional section (8, 9; 108, 109) associated with the holding arm (12, 13; 112, 113), intersect in a region located on the rear side (R) of the anchor clamp (1, 101).

IPC 8 full level
E01B 9/30 (2006.01); **E01B 9/48** (2006.01)

CPC (source: EP KR US)
E01B 9/303 (2013.01 - EP KR US); **E01B 9/483** (2013.01 - EP KR US); **E01B 2201/00** (2013.01 - US); **E01B 2201/08** (2013.01 - KR)

Citation (search report)
See references of WO 2018091351A1

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)
WO 2018091351 A1 20180524; AU 2017359912 A1 20190523; AU 2017359912 B2 20201224; AU 2017359914 A1 20190516; CA 3042122 A1 20180524; CA 3042122 C 20210504; CA 3042480 A1 20180524; CN 109952400 A 20190628; CN 109952400 B 20210914; CN 109983178 A 20190705; EP 3541993 A1 20190925; EP 3541993 B1 20211229; ES 2909589 T3 20220509; HR P20220411 T1 20220527; HU E058228 T2 20220728; JP 2019535933 A 20191212; JP 2019535934 A 20191212; JP 6864740 B2 20210428; KR 102255438 B1 20210524; KR 20190077079 A 20190702; KR 20190077080 A 20190702; LT 3541993 T 20220411; MX 2019005392 A 20190812; PL 3541993 T3 20220620; PT 3541993 T 20220330; RS 63110 B1 20220429; US 11492763 B2 20221108; US 2019284765 A1 20190919; US 2019338470 A1 20191107; WO 2018091353 A2 20180524; WO 2018091353 A3 20181101; ZA 201902862 B 20220525

DOCDB simple family (application)
EP 2017078781 W 20171109; AU 2017359912 A 20171109; AU 2017359914 A 20171109; CA 3042122 A 20171109; CA 3042480 A 20171109; CN 201780071102 A 20171109; CN 201780071177 A 20171109; EP 17805122 A 20171109; EP 2017078786 W 20171109; ES 17805122 T 20171109; HR P20220411 T 20171109; HU E17805122 A 20171109; JP 2019521404 A 20171109; JP 2019521412 A 20171109; KR 20197016607 A 20171109; KR 20197016613 A 20171109; LT 17078781 T 20171109; MX 2019005392 A 20171109; PL 17805122 T 20171109; PT 17805122 T 20171109; RS P20220309 A 20171109; US 201716349424 A 20171109; US 201716349449 A 20171109; ZA 201902862 A 20190507