

Title (en)
RAIL FIXING SYSTEM

Title (de)
SCHIENENBEFESTIGUNGSSYSTEM

Title (fr)
SYSTÈME DE FIXATION DE RAIL

Publication
EP 3744893 A1 20201202 (DE)

Application
EP 20173601 A 20200508

Priority
DE 102019207929 A 20190529

Abstract (en)
[origin: RU2736157C1] FIELD: construction.SUBSTANCE: invention relates to a rail fastening system for securing rail at lower track structure. Rail fastening system for fastening rail (2) on lower track structure (3), preferably on ballast-less track, includes at least one fixing element (6) for mounting rail (2) on lower track structure (3). At that, fixing element (6) has angular guide plate (8), which is adapted so that in mounted state to remove transverse forces from rail (2) in track lower structure (3), and thrust element (11), which is adapted to fit tightly butt-end to angular guide plate (8) and to be geometrically closed in recess (3a) of lower structure (3) of track.EFFECT: as a result, it becomes possible to implement height compensation in a structurally simple manner.14 cl, 2 dwg

Abstract (de)
Schienebefestigungssystem zur Befestigung einer Schiene (2) auf einem Untergrund (3), vorzugsweise einer festen Fahrbahn, umfassend zumindest ein Halteglied (6) zur Montage der Schiene (2) auf dem Untergrund (3), wobei das Halteglied (6) aufweist: eine Winkelführungsplatte (8), die eingerichtet ist, um im montierten Zustand Querkräfte von der Schiene (2) in den Untergrund (3) abzuleiten; und ein Schulterteil (11), das eingerichtet ist, um im montierten Zustand stoßbündig an der Winkelführungsplatte (8) anzuliegen und formschlüssig in einer Ausnehmung (3a) des Untergrunds (3) zu liegen.

IPC 8 full level
E01B 7/22 (2006.01); **E01B 9/30** (2006.01); **E01B 9/38** (2006.01)

CPC (source: BR CN EP RU US)
E01B 7/22 (2013.01 - BR EP US); **E01B 9/30** (2013.01 - BR EP RU); **E01B 9/38** (2013.01 - BR CN EP US); **E01B 9/44** (2013.01 - CN US); **E01B 9/46** (2013.01 - CN US); **E01B 9/48** (2013.01 - RU); **E01B 9/483** (2013.01 - US); **E01B 9/68** (2013.01 - US); **E01B 2201/04** (2013.01 - US); **E01B 2204/06** (2013.01 - US); **E01B 2204/09** (2013.01 - US)

Citation (applicant)
• DE 10139198 A1 20030403 - VOSSLOH WERKE GMBH [DE]
• WO 2007082553 A1 20070726 - VOSSLOH WERKE GMBH [DE], et al

Citation (search report)
• [X] DE 202013103235 U1 20130808 - VOSSLOH WERKE GMBH [DE]
• [X] DE 102010038442 A1 20120202 - STRABAG RAIL GMBH [DE]
• [X] DE 2600416 B1 19770317

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)
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DE 102019207929 A1 20201203; RU 2736157 C1 20201112; US 2020378069 A1 20201203

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EP 20173601 A 20200508; BR 102020007741 A 20200417; CN 202010482304 A 20200529; DE 102019207929 A 20190529;
RU 2020113359 A 20200413; US 202015929866 A 20200527