

Title (en)
GUIDE PLATE AND RAIL FASTENING POINT

Title (de)
FÜHRUNGSPLATTE UND SCHIENENBEFESTIGUNGSPUNKT

Title (fr)
PLAQUE DE GUIDAGE ET POINT DE FIXATION DE RAIL

Publication
EP 3850155 A1 20210721 (DE)

Application
EP 19766016 A 20190909

Priority
• DE 102018122426 A 20180913
• EP 2019073988 W 20190909

Abstract (en)
[origin: WO2020053145A1] The invention relates to a guide plate for the lateral guidance of a rail at a rail fastening point (1) formed on a sleeper (2), wherein the guide plate (10) has an upper side (3) having a supporting surface for supporting a spring element (31), an underside, via which the guide plate (10) is supported on the sleeper (2) when in use, has a supporting section (12) having a supporting surface (13), via which the guide plate (10) is supported on a shoulder (5, 6) provided on the sleeper (2) when in use, and has a guide section (14), which is formed opposite to the supporting section (12) and on which there is a guide surface (15), on which a rail (S) is guided laterally when in use. When such a guide plate (10) is used at a rail fastening point, in order to counteract rotation of the rail and, associated therewith the danger of the occurrence of track distortion occurring at high external temperatures with an optimal resistance, a restrictive locking projection (20, 21) projecting from the guide surface (15) is respectively formed in the longitudinal direction of the guide plate (15) in lateral end sections (18, 19) of the guide surface (15), being provided to engage under the longitudinal side (16, 17) of the rail (S) that is respectively assigned to the guide surface (15), wherein the distance (BA) between the locking projections (20, 21) is at least 60% of the width (PF) of the guide surface (15).

IPC 8 full level
E01B 9/28 (2006.01)

CPC (source: EP US)
E01B 9/28 (2013.01 - EP US)

Citation (search report)
See references of WO 2020053145A1

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 2020053145 A1 20200319; CN 112771228 A 20210507; CN 112771228 B 20230714; DE 102018122426 A1 20200319; DE 102018122426 B4 20220105; DE 102018122426 B9 20220407; EA 202190478 A1 20211015; EP 3850155 A1 20210721; EP 3850155 B1 20230531; ES 2949686 T3 20231002; PL 3850155 T3 20230904; US 2022106741 A1 20220407

DOCDB simple family (application)
EP 2019073988 W 20190909; CN 201980060184 A 20190909; DE 102018122426 A 20180913; EA 202190478 A 20190909; EP 19766016 A 20190909; ES 19766016 T 20190909; PL 19766016 T 20190909; US 201917275954 A 20190909