

Title (en)
ELASTIC SHIM FOR CLAMPING THE FOOT OF A RAILWAY PROFILE

Title (de)
ELASTISCHES ZWISCHENSTÜCK ZUM KLEMMEN EINES SCHIENENFUSSSES

Title (fr)
PIÈCE INTERCALAIRE ELASTIQUEMENT DEFORMABLE POUR LA FIXATION D'UN PATIN DE RAIL

Publication
EP 3055459 B1 20190515 (DE)

Application
EP 13779172 A 20131009

Priority
EP 2013071099 W 20131009

Abstract (en)
[origin: WO2015051841A1] The invention relates to a system and to an intermediate element for a system (1, 1') for fixing a rail (S) for a rail vehicle to a base (U). The intermediate element (12, 12') is provided to be arranged between an end section (7, 8) of a spring element (3, 3') and the rail (S), such that the spring element (4, 4') transmits a holding-down force (N, N') to the rail (S) via the intermediate element (12, 12'). The intermediate element (12, 12') has a supporting surface (14), on which the end section (7, 8) of the spring element (3, 3') lies during use, and a standing surface (22), with which the intermediate element (12, 12') is seated on the rail (S) during use. According to the invention, the intermediate element (12, 12') is designed to be resiliently compliant in an active direction (W) directed from the supporting surface (14) toward the standing surface (22). As a result of the installation of an intermediate element (12, 12') according to the invention in a rail fixing system, the risk of shortening the service life of the spring element (3, 3') which is used to hold down the rail in the system, as a result of periodic movements that occur, is minimized.

IPC 8 full level
E01B 9/28 (2006.01); **E01B 9/30** (2006.01); **E01B 9/32** (2006.01); **E01B 9/60** (2006.01); **E01B 26/00** (2006.01)

CPC (source: EP KR US)
E01B 9/303 (2013.01 - EP KR US); **E01B 9/60** (2013.01 - US); **E01B 26/00** (2013.01 - EP KR US); **E01B 2205/00** (2013.01 - EP KR US)

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

DOCDB simple family (publication)
WO 2015051841 A1 20150416; CN 105658871 A 20160608; EP 3055459 A1 20160817; EP 3055459 B1 20190515; ES 2741152 T3 20200210; KR 20160064209 A 20160607; RU 2016117880 A 20171113; US 2016244919 A1 20160825

DOCDB simple family (application)
EP 2013071099 W 20131009; CN 201380080149 A 20131009; EP 13779172 A 20131009; ES 13779172 T 20131009; KR 20167011401 A 20131009; RU 2016117880 A 20131009; US 201315027549 A 20131009