

Title (en)
NOISE INSULATION DEVICE FOR RAIL

Title (de)
GERÄUSCHISOLATIONSVORRICHTUNG FÜR SCHIENEN

Title (fr)
DISPOSITIF D'ISOLATION ANTIBRUIT POUR RAIL

Publication
EP 2770107 A4 20150715 (EN)

Application
EP 12841941 A 20120928

Priority
• JP 2011227621 A 20111017
• JP 2011227622 A 20111017
• JP 2012075154 W 20120928

Abstract (en)
[origin: EP2770107A1] A noise insulation device for a rail provided herein requires no tool for bolt fixation or screw fixation and is therefore capable of making works less tedious and less complex and solves a problem that a portion overhanging from the rail interferes with rail maintenance by reducing the overhanging portion. A noise insulation device 1 for a rail includes a first noise insulation member 2, a second noise insulation member 3, and a fastener 7. The fastener 7 is formed of a first fastening member 8 and a second fastening member 9. The first fastening member 8 has a horizontal portion 41 inserted under a lower surface of a rail bottom and a rising portion 42 provided so as to continue from an end of the horizontal portion 41 and fit to a sound insulation cover 13 of the first noise insulation member 2. The second fastening member 9 has a horizontal portion 51 inserted under the lower surface of the rail bottom and a rising portion 52 provided so as to continue from an end of the horizontal portion 51 and fit to a sound insulation cover 16 of the second noise insulation member. The first fastening member 8 and the second fastening member 9 are fit together in a re-attachable manner.

IPC 8 full level
E01B 19/00 (2006.01)

CPC (source: EP)
E01B 19/003 (2013.01)

Citation (search report)
• [YDA] JP 2006002442 A 20060105 - RAILWAY TECHNICAL RES INST, et al
• [YA] JP H10152801 A 19980609 - KOUISHINSHIYA KK
• [A] WO 2010113807 A1 20101007 - SEKISUI CHEMICAL CO LTD [JP], et al
• [AD] JP 2008095408 A 20080424 - SWCC SHOWA DEVICE TECH CO LTD, et al
• See references of WO 2013058082A1

Cited by
DE102018007317A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 12841941 A 20120928; CN 201280059517 A 20120928; JP 2012075154 W 20120928; JP 2013539597 A 20120928; KR 20147013173 A 20120928