

Title (en)
NOISE INSULATION DEVICE FOR RAIL

Title (de)
GERÄUSCHISOLATIONSVORRICHTUNG FÜR SCHIENEN

Title (fr)
DISPOSITIF D'ISOLATION SONORE POUR RAIL

Publication
EP 2415933 B1 20171025 (EN)

Application
EP 10758579 A 20100326

Priority
• JP 2010055405 W 20100326
• JP 2009090649 A 20090403

Abstract (en)
[origin: EP2415933A1] An object of the invention is to provide a soundproof device preventing noise effectively by a single type of soundproof covers having the same length without necessity of preparation of a number of soundproof covers having different lengths. Three first to third rail ties S1 to S3 that fix a rail R are arranged in sequence from one end to the other end of the rail in the longitudinal direction. A first soundproof cover 31 is bridged between the first and second rail ties S1, S2, and a second soundproof cover 32 is bridged between the second and third rail ties S2, S3. The respective soundproof covers 31, 32 have a fixed length L which is longer than any of a pitch P1 of the first and second rail ties S1, S2 and a pitch P2 of the second and third rail ties S2, S3. Required portions of a rail surface is covered with the first soundproof cover 31 and the second soundproof cover 32 in a state in which opposed end portions of the first soundproof cover 31 and the second soundproof cover 32 are overlapped with each other over a predetermined width on the second rail tie S2.

IPC 8 full level
E01B 19/00 (2006.01)

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

Cited by
DE102016217852A1; DE102016217852B4; CN103343496A; EP3020863A4; US9970161B2; WO2015003634A1

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