

Title (en)

Electrical insulation rail joint and rail with coating

Title (de)

Elektrisch isolierender Schienenstoß und Schiene mit Beschichtung

Title (fr)

Joint électriquement isolant et rail revêtu

Publication

EP 2333155 A3 20130227 (EN)

Application

EP 10191629 A 20101118

Priority

- NL 2003826 A 20091118
- NL 2005708 A 20101117

Abstract (en)

[origin: EP2333155A2] Electrical insulation rail joint and rail (1) for a railway, provided with a coating of a synthetic rubber, wherein the coating can have one or more of the following mechanical properties: hardness Shore A of at least 85 or 90, such as between 92 and 95; a hardness Shore D of at least 30 or 35, e.g. between 38 and 42; a tension strength of at least 15 or 20, e.g. 21 N/mm², an elongation at failure of at least 300 or 350 or 400, e.g. 425%; and a rupture strength of at least 45 or 50 or 55, e.g. 58 kN/m. The coating can be made of a copolymer, preferably a polyol and an isocyanate, preferably such that an elastomeric polyurethane or polyurethane rubber is obtained.

IPC 8 full level

E01B 11/54 (2006.01)

CPC (source: EP)

E01B 11/54 (2013.01)

Citation (search report)

- [X] WO 9518887 A1 19950713 - PACIFIC INTERNATIONAL PIPE ENT [US]
- [XA] JP 2000355902 A 20001226 - TOKAI RYOKAKU TETSUDO KK, et al
- [IA] DE 3544430 A1 19870619 - DEUTSCHES INST KAUTSCHUK [DE]
- [AD] EP 1717125 A1 20061102 - RAIL ROAD SYSTEMS [NL], et al
- [A] EP 1121491 A1 20010808 - PHOENIX AG [DE]
- [A] GB 953222 A 19640325 - EDILON N V

Cited by

RU2610893C1

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)

EP 2333155 A2 20110615; EP 2333155 A3 20130227; NL 2005708 A 20110525; NL 2005708 C2 20110621

DOCDB simple family (application)

EP 10191629 A 20101118; NL 2005708 A 20101117