Title (en)

Attenuation element for rail construction with sliding layer, railway rail system with attenuation element and method for producing an attenuation element

Title (de)

Dämpfungselement für den Gleisbau mit Gleitschicht, ein Eisenbahnschienensystem mit Dämpfungselement und Verfahren zur Herstellung eines Dämpfungselements

Title (fr)

Elément d'amortissement pour la construction de voies ferrées ayant une couche de glissement, système de rails pour voie ferrée doté d'un élément d'amortissement et procédé de fabrication d'un élément d'amortissement

Publication

EP 2336423 A3 20130925 (DE)

Application

EP 10194582 A 20101210

Priority

DE 102009055070 A 20091221

Abstract (en)

[origin: EP2336423A2] The element (10) has a contact surface provided for attachment at a railway track (8) and designed as a friction minimizing sliding layer (22). The sliding layer is formed of cotton, hard rubber and/or plastic and/or metal and/or woven fabric. The sliding layer is formed at a surface of the element by halogenation and/or fluorination and/or flame impingement and/or plasma-and/or corona treatment. A low wear-layer (32) is made of plastic and/or woven fabric and/or polyurethane lacquer, and the sliding layer exhibits reduced roughness. An independent claim is also included for a method for manufacturing the damping element.

IPC 8 full level

E01B 9/68 (2006.01)

CPC (source: EP)

E01B 9/68 (2013.01); **E01B 9/683** (2013.01); **E01B 9/685** (2013.01)

Citation (search report)

- [XAY] GB 2334738 A 19990901 - GLYNWED PIPE SYSTEMS LTD [GB]
- [YA] EP 2087986 A1 20090812 - SEMPERIT AG HOLDING [AT]
- [A] DE 2817533 A1 19791025 - KRAUSS MAFFEI AG
- [A] DE 19623523 A1 19980102 - VORWERK & SOHN [DE]

Cited by

EP3546650A1; EP3546649A1; US9932711B2; WO2014177419A1

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 2336423 A2 20110622; **EP 2336423 A3 20130925**; **EP 2336423 B1 20200429**; DE 102009055070 A1 20110622; DE 102009055070 B4 20221020

DOCDB simple family (application)

EP 10194582 A 20101210; DE 102009055070 A 20091221