

Title (en)

SOUND-PROOFING UTILITY, ESPECIALLY A SOUND-ATTENUATING UNIT

Title (de)

SCHALLDÄMMENDE EINRICHTUNG, INSBESONDERE EINE SCHALLDÄMPFENDE EINHEIT

Title (fr)

FONCTIONNALITÉ D'INSONORISATION, EN PARTICULIER UNE UNITÉ D'ATTÉNUATION ACOUSTIQUE

Publication

**EP 3093391 B1 20180509 (EN)**

Application

**EP 16169249 A 20160511**

Priority

NL 2014791 A 20150511

Abstract (en)

[origin: EP3093391A1] The invention relates to a sound-proofing utility configured to limit, at least for a determined frequency range, the lateral emission of airborne sound caused by motorized road traffic, the sound-proofing utility comprising a plate with an acoustically hard outer surface, wherein the plate comprises at least one sound-absorbing side, wherein the sound-absorbing side has a plurality of elongate cavity structures arranged in the plate and debouching at the hard outer surface, and with resonance frequencies in the determined frequency range, for at least partially absorbing the sound incident on the sound-absorbing side. The invention also relates to a travel surface, such as a railway or motorway, provided with such a sound-proofing utility.

IPC 8 full level

**E01F 8/00** (2006.01)

CPC (source: EP)

**E01F 8/0017** (2013.01); **E01F 8/0076** (2013.01)

Cited by

CN115234739A; CN114808779A; CN114502799A; US2021372060A1; US12006643B2

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)

**EP 3093391 A1 20161116**; **EP 3093391 B1 20180509**; DK 3093391 T3 20180813; ES 2680844 T3 20180911; NL 2014791 A 20161121; NL 2014791 B1 20170126; NL 2014791 B9 20171214; PL 3093391 T3 20181031; SI 3093391 T1 20180928

DOCDB simple family (application)

**EP 16169249 A 20160511**; DK 16169249 T 20160511; ES 16169249 T 20160511; NL 2014791 A 20150511; PL 16169249 T 20160511; SI 201630064 T 20160511