

Title (en)

Acoustic panel for noise barriers and noise barrier provided with such a panel

Title (de)

Akustisches Panel für Lärmschutzwände und Lärmschutzwand mit einem solchen Panel

Title (fr)

Panneau acoustique pour barrière anti-bruit et barrière anti-bruit équipée d'un tel panneau

Publication

**EP 2458090 A3 20140326 (EN)**

Application

**EP 11190856 A 20111125**

Priority

IT TV20100150 A 20101125

Abstract (en)

[origin: EP2458090A2] An acoustic panel (1) characterized by comprising: a reverberating plate (6) having, on one of the two faces, a stepped-profile surface (6a) which is dimensioned so as to reflect in a "diffused" manner at least one incident acoustic wave with a predetermined reference frequency; and a layer of sound-absorbent material (7) which is coupled to the reverberating plate (6) so as to cover the stepped-profile surface (6a), and so as to be crossed in "diffused" manner by the acoustic wave reflected by said stepped-profile surface (6a); the profile of the stepped-profile surface (6a) being determined on the basis of the "Quadratic Residue" mathematical model.

IPC 8 full level

**E01F 8/00** (2006.01)

CPC (source: EP)

**E01F 8/007** (2013.01); **E01F 8/0082** (2013.01)

Citation (search report)

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- [XI] CH 652432 A5 19851115 - FRANZI S A OFF
- [XYI] DE 7628651 U1 19780406
- [XYI] DE 20004549 U1 20000518 - GROETZ GEORG [DE]
- [XYI] AT 400961 B 19960528 - VOELKL CHRISTIAN [AT], et al
- [XYI] US 3656576 A 19720418 - GUBELA GUNTER

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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 2458090 A2 20120530; EP 2458090 A3 20140326**; IT 1402683 B1 20130913; IT TV20100150 A1 20120526

DOCDB simple family (application)

**EP 11190856 A 20111125**; IT TV20100150 A 20101125