

Title (en)
Soundproofing panel made of FRP (Fiber-Reinforced Polymer) composite with a sound-absorbing surface characterized by parallel longitudinal strips

Title (de)
Schallabsorbierendes Paneel aus Faser-verstärktem Polymer mit einer parallel angeordnete Streifen aufweisenden, Schallabsorbierenden Oberfläche

Title (fr)
Panneau d'isolation acoustique de composition polymère renforcé de fibres avec surface insonorisante en lames parallèles

Publication
EP 1362963 A3 20040211 (EN)

Application
EP 03009375 A 20030425

Priority
IT PD20020105 A 20020426

Abstract (en)
[origin: EP1362963A2] The invention is a new soundproofing panel made of composite material, suitable for installation along railways and/or roads, comprising a box structure whose side facing the source of the noise is covered with suitably-spaced staves. The new soundproofing panel comprises an FRP box structure (S1, S2), a layer of sound-absorbing material (F), spacers (D), and parallel staves with an arched T-shaped cross-section; these staves (T) are preferably arranged alternately, i.e. so that each stave (T) has its cross-section inverted with respect to the two staves (T) on either side. <IMAGE>

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E04B 1/86; **G10K 11/172**

IPC 8 full level
E01F 8/00 (2006.01); **E04B 1/86** (2006.01); **G10K 11/172** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)
E01F 8/0011 (2013.01); **E01F 8/007** (2013.01); **E04B 1/86** (2013.01); **G10K 11/172** (2013.01); **E04B 2001/8428** (2013.01); **E04B 2001/8442** (2013.01)

Citation (search report)
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• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 035 (M - 1074) 28 January 1991 (1991-01-28)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1362963 A2 20031119; **EP 1362963 A3 20040211**; **EP 1362963 B1 20080220**; AT E386854 T1 20080315; DE 60319179 D1 20080403; ES 2302523 T3 20080716; IT PD20020105 A1 20031027

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