

Title (en)
Sound-absorbing transparent panel

Title (de)
Transparente, schallabsorbierende Platte

Title (fr)
Panneau transparent à absorption sonore

Publication
EP 1842977 A1 20071010 (EN)

Application
EP 07006825 A 20070402

Priority
IT PG20060027 A 20060403

Abstract (en)
Sound absorbent panel of the type comprising a frame (1) to support at least a first front sheet (2) provided with a plurality of holes (12) and at least a second rear sheet (3) not perforated, substantially parallel with a said first sheet, and separated from the latter by a hollow air cavity, wherein said first sheet and said second sheet are realised in a material at least partially transparent The panel is characterised in that the holes of said first front sheet are micro-holes (6).

IPC 8 full level
E04B 1/86 (2006.01); **E01F 8/00** (2006.01)

CPC (source: EP)
E01F 8/0017 (2013.01); **E04B 1/8409** (2013.01); **E04B 1/86** (2013.01); **E04B 2001/8452** (2013.01)

Citation (applicant)
DE 19717266 C1 19980409 - FRAUNHOFER GES FORSCHUNG [DE]

Citation (search report)

- [X] DE 19717266 C1 19980409 - FRAUNHOFER GES FORSCHUNG [DE]
- [X] DE 4315759 C1 19940505 - FRAUNHOFER GES FORSCHUNG [DE]
- [Y] DE 20006946 U1 20010816 - FAIST AUTOMOTIVE GMBH & CO KG [DE]
- [Y] JP H11323845 A 19991126 - KAM KK
- [A] DE 9116233 U1 19920617
- [A] EP 1029984 A1 20000823 - ROEHM GMBH [DE]
- [A] JP H02274906 A 19901109 - FURUKAWA ELECTRIC CO LTD
- [DA] EP 0890679 A2 19990113 - DIESELBOX SA [CH], et al
- [Y] FUCHS H V ET AL: "Einsatz mikro-perforierter Platten als Schallabsorber mit inhärenter Dämpfung", ACUSTICA, S. HIRZEL VERLAG, STUTTGART, DE, vol. 81, 1995, pages 107 - 116, XP002097650, ISSN: 0001-7884

Cited by
US11254087B2; EP2374940A3; CN111276116A; EP2314771A3; CN108894699A; US2021207368A1; US11746523B2; US2020370293A1; CN110230276A; US11608291B2; DE102015111168A1; WO2024097258A1; WO2024098541A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1842977 A1 20071010; IT PG20060027 A1 20071004

DOCDB simple family (application)
EP 07006825 A 20070402; IT PG20060027 A 20060403