

Title (en)

Wide spectrum sound absorbtion building element for walls, floors and ceilings

Title (de)

Breitbandig schallabsorbierender Bauteil für Wände, Böden und Decken

Title (fr)

Élément de construction pour murs, planchers et plafonds à large spectre d'absorbtion sonore

Publication

EP 1146178 A3 20031022 (DE)

Application

EP 01106311 A 20010315

Priority

DE 20006946 U 20000414

Abstract (en)

[origin: EP1146178A2] The broad band vibration absorbing article for walls, ceilings and floors has one or more panels (1) of thickness 0.01 - 50, especially 0.052 - 1.9 mm., but not 0.1 mm. These have holes (2) of average diameter or width (b) 0.001 - 2, especially 0.02 - 0.1 mm. The holes make up 0.1 - 20, especially 3 - 10% of the surface area of the panels.

IPC 1-7

E04B 1/86; **G10K 11/16**

IPC 8 full level

E04B 1/86 (2006.01); **G10K 11/16** (2006.01); **G10K 11/172** (2006.01); **E04B 1/82** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)

E04B 1/86 (2013.01); **G10K 11/16** (2013.01); **G10K 11/172** (2013.01); **E04B 2001/829** (2013.01); **E04B 2001/8428** (2013.01); **E04B 2001/849** (2013.01); **E04B 2001/8495** (2013.01)

Citation (search report)

- [XAY] WO 9727370 A1 19970731 - SONTECH AB [SE], et al
- [X] DE 4316843 A1 19941124 - MESSER GRIESHEIM GMBH [DE]
- [DX] DE 4315759 C1 19940505 - FRAUNHOFER GES FORSCHUNG [DE]
- [Y] EP 0969149 A2 20000105 - SISTEMA BARRIERE STRADALI SRL [IT]
- [A] FR 2582847 A1 19861205 - VIBRASONIC [FR]
- [A] FR 2517714 A1 19830610 - HARNOIS GEORGES [FR]
- [A] DE 19754107 C1 19990225 - FRAUNHOFER GES FORSCHUNG [DE]
- [A] WO 9424382 A1 19941027 - FRAUNHOFER GES FORSCHUNG [DE], et al

Cited by

WO2006101403A1; US11254087B2; EP3137697A4; EP2256722A1; EP1861554A4; US7677359B2; EP1861554B1; EP1873751B1

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