

Title (en)

Device to reduce sound levels in buildings

Title (de)

Vorrichtung zur Verminderung von Schallpegeln in Gebäuden

Title (fr)

Dispositif pour diminuer le niveau sonore dans des bâtiments

Publication

EP 0816583 B1 20010404 (DE)

Application

EP 97111079 A 19970702

Priority

DE 19626676 A 19960703

Abstract (en)

[origin: EP0816583A1] The device has noise-absorbing elements (1) with parallel sheets (2) which are spaced from one another. The sheets are tensioned, and have microscopic perforations. The sheets may be tensioned between an upper support (3) which is made from a material which is stiff in bending, and a lower support (4), which is made from a similarly stiff material. The tension may be due to the weight of the lower support. The supports may also be connected to each other by a tensile securing element (5). The elements may be fixed behind one another above head level, in the manner of a skirt, and preferably may be attached to the ceiling of a room.

IPC 1-7

E04B 1/84; E04B 1/82; E04B 9/34

IPC 8 full level

E04B 1/82 (2006.01); **E04B 1/84** (2006.01); **E04B 1/86** (2006.01); **E04B 9/34** (2006.01)

CPC (source: EP)

E04B 1/8409 (2013.01); **E04B 1/86** (2013.01); **E04B 9/34** (2013.01); **E04B 9/366** (2013.01); **E04B 2001/8281** (2013.01); **E04B 2001/829** (2013.01); **E04B 2001/8433** (2013.01); **E04B 2001/8452** (2013.01)

Cited by

EP0941684A3; US2019257079A1; US10900222B2; FR2881765A1; CN107002403A; DE10041458A1; DE10041458C2; EP3050755A1; USD895158S; USD894429S; US8906486B2; US8573358B2; USD895159S; WO2008017737A1; WO0005707A1; WO9929979A1; WO02089110A1; WO0034595A1; US8371419B2; US8469145B2; US6598701B1; WO2020095163A1; US11725385B2; US10508453B2; US6617002B2; US6977109B1; US7731878B2; US6244378B1; US9937878B2; US11608291B2; EP1180186B1; WO2016087587A1

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DOCDB simple family (publication)

EP 0816583 A1 19980107; **EP 0816583 B1 20010404**; AT E200330 T1 20010415; DE 19626676 A1 19980108; DE 59703273 D1 20010510; ES 2157033 T3 20010801; GR 3035886 T3 20010831

DOCDB simple family (application)

EP 97111079 A 19970702; AT 97111079 T 19970702; DE 19626676 A 19960703; DE 59703273 T 19970702; ES 97111079 T 19970702; GR 20010400742 T 20010516