

Title (en)  
SOUND INSULATION CONSTRUCTION ELEMENT

Publication  
**EP 0020628 B1 19830216 (DE)**

Application  
**EP 79901617 A 19800617**

Priority  
CH 1253178 A 19781211

Abstract (en)  
[origin: WO8001184A1] The plate like insulation element (1) comprises chambers (5, 6) of which the walls (2, 3, 4) are at least partly made of a deformable flexible material. The chambers are filled with a pulverulent or granular material, for example a metal powder. The chambers (5), are of a small size in the vertical direction but may form channels in the horizontal direction, this arrangement allows not only the improvement of the insulation capacity by increasing the specific weight of the panel, but also the elimination of the resonance phenomena for frequencies comprised between 100 and 3000 Hz.

IPC 1-7  
**E04B 1/86**

IPC 8 full level  
**E04B 1/86** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP US)  
**E04B 1/86** (2013.01 - EP US); **E04B 2001/8414** (2013.01 - EP US); **E04B 2001/8471** (2013.01 - EP US)

Designated contracting state (EPC)  
FR

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**WO 8001184 A1 19800612**; AT 368226 B 19820927; AT A905179 A 19820115; BE 880515 A 19800401; CH 639453 A5 19831115; DE 2953356 C1 19910502; DE 2953356 D2 19801218; EP 0020628 A1 19810107; EP 0020628 B1 19830216; GB 2051925 A 19810121; GB 2051925 B 19830615; IT 1127679 B 19860521; IT 7928002 A0 19791207; JP S55500949 A 19801113; NL 7920159 A 19800930; SE 8005621 L 19800808; US 4441581 A 19840410

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**CH 7900156 W 19791210**; AT 905179 A 19791210; BE 198486 A 19791210; CH 1253178 A 19781211; DE 2953356 A 19791210; DE 2953356 D 19791210; EP 79901617 A 19800617; GB 8025623 A 19791210; IT 2800279 A 19791207; JP 50211479 A 19791210; NL 7920159 A 19791210; SE 8005621 A 19800808; US 20050780 A 19800811