

Title (en)

Process for the manufacture of a slab shaped sound absorbing element for use under soffits

Title (de)

Verfahren zur Herstellung eines plattenförmigen Schalldämmelementes zur Montage unterhalb einer Raumdecke

Title (fr)

Procédé pour la fabrication d'un élément d'absorption acoustique en forme de plaque à monter sous un plafond

Publication

EP 0575710 B1 19970917 (DE)

Application

EP 93105218 A 19930330

Priority

DE 4220492 A 19920623

Abstract (en)

[origin: EP0575710A1] A slab-shaped sound-absorbing element (2) is used for mounting below a ceiling, in particular below the ceiling of a large room or a hall, and is provided with a core layer (5) which consists of a porous fibre material absorbing sound waves. The core layer (5) is provided with a porous lamination (7) at least on one of its flat sides. So that the sound-absorbing element (2) can be disposed of without problems during waste removal, it also being required to be comparable to known sound-absorbing elements as regards its acoustic properties, the core layer (5) consists of raw compressed sheep's wool. The individual fibres (6) of the sheep's wool are bound by a cured binder, in particular synthetic resin, to obtain an inherent stiffness of the core layer (5). <IMAGE>

IPC 1-7

E04B 1/82; E04B 1/99

IPC 8 full level

E04B 1/82 (2006.01); **E04B 1/86** (2006.01); **E04B 1/99** (2006.01); **E04B 1/84** (2006.01)

CPC (source: EP)

E04B 1/8209 (2013.01); **E04B 1/86** (2013.01); **E04B 1/99** (2013.01); **E04B 2001/8263** (2013.01); **E04B 2001/829** (2013.01); **E04B 2001/8461** (2013.01)

Citation (examination)

- Week 9008, Derwent Publications Ltd., London, GB; AN 90-054199 & JP-A-2 006 653 (HUMAN IND CORP KK) 10. Januar 1991
- Week 8539, Derwent Publications Ltd., London, GB; AN 85-239853 & JP-A-60 156 487 (NISHIYAMA) 16. August 1985

Cited by

EP2098652A3; GB2459676A; AT524400A1; AT524400B1; WO2009136383A3

Designated contracting state (EPC)

AT CH DE DK LI SE

DOCDB simple family (publication)

EP 0575710 A1 19931229; **EP 0575710 B1 19970917**; AT E158370 T1 19971015; DE 4220492 A1 19940113; DE 59307370 D1 19971023; DK 0575710 T3 19980414

DOCDB simple family (application)

EP 93105218 A 19930330; AT 93105218 T 19930330; DE 4220492 A 19920623; DE 59307370 T 19930330; DK 93105218 T 19930330