

Title (en)

Insulation panel made of a mixture of wood and fibre binder and a method of manufacture of the panel

Title (de)

Dämmstoffplatte aus einem Holzwerkstoff-Bindemittelfaser-Gemisch und Verfahren zu ihrer Herstellung

Title (fr)

Panneau isolant d'un mélange de bois et liant filamenteux et procédé de fabrication associé

Publication

EP 1582646 A1 20051005 (DE)

Application

EP 05004545 A 20050302

Priority

DE 102004011931 A 20040311

Abstract (en)

An additive (3,4) has a thermally-resistant core and a thermally-activatable coating added to a mixture. The thermally-resistant core in the form of granulate or fiber material is made of perlite or thermosetting plastic material. The additive has a grain size of 0.3-2.5 millimeters. Independent claims are also included for the following: (A) an additive; and (B) an insulation material board manufacture.

Abstract (de)

Die Erfindung betrifft eine Dämmstoffplatte aus einem Holzwerkstoff-Bindemittelfaser-Gemisch sowie ein Verfahren zur Herstellung einer Dämmstoffplatte, bei dem dem Gemisch ein Additiv (3, 4) mit einem thermisch beständigen Kern (4) und einer thermisch aktivierbaren Beschichtung (3) zugegeben und die thermisch aktivierbare Beschichtung (3) unter Wärmezufuhr aktiviert wird. <IMAGE>

IPC 1-7

E04C 2/16; **E04B 1/76**

IPC 8 full level

E04B 1/76 (2006.01); **E04B 1/80** (2006.01); **E04C 2/16** (2006.01); **E04B 1/74** (2006.01)

CPC (source: EP US)

E04B 1/80 (2013.01 - EP US); **E04C 2/16** (2013.01 - EP US); **E04B 2001/742** (2013.01 - EP US); **Y10T 428/25** (2015.01 - EP US); **Y10T 428/2982** (2015.01 - EP US); **Y10T 428/2991** (2015.01 - EP US); **Y10T 428/2998** (2015.01 - EP US); **Y10T 428/31906** (2015.04 - EP US); **Y10T 428/31989** (2015.04 - EP US)

Citation (search report)

- [X] US 5749954 A 19980512 - LAW DAVID CHEE-FAI [US], et al
- [A] DE 10056829 A1 20020620 - STEICO AG [DE]

Cited by

FR3016317A1; EP2045408A3; EP1674633A3; EP1837448A3; EP1674224A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1582646 A1 20051005; **EP 1582646 B1 20070711**; **EP 1582646 B2 20110824**; AT E366850 T1 20070815; DE 102004011931 A1 20050929; DE 102004011931 B4 20060914; DE 502005000995 D1 20070823; ES 2286727 T3 20071201; ES 2286727 T5 20120120; PL 1582646 T3 20071231; PL 1582646 T5 20111230; US 2005214537 A1 20050929; US 2009142611 A1 20090604; US 7550202 B2 20090623; US 7816001 B2 20101019

DOCDB simple family (application)

EP 05004545 A 20050302; AT 05004545 T 20050302; DE 102004011931 A 20040311; DE 502005000995 T 20050302; ES 05004545 T 20050302; PL 05004545 T 20050302; US 14322908 A 20080620; US 7604405 A 20050310