

Title (en)
PANELS INCLUDING RENEWABLE COMPONENTS AND METHODS FOR MANUFACTURING

Title (de)
ERNEUERBARE KOMPONENTEN ENTHALTENDE PLATTEN UND HERSTELLUNGSVERFAHREN

Title (fr)
PANNEAUX COMPRENANT DES COMPOSANTS RENOUVELABLES ET PROCÉDÉS DE FABRICATION

Publication
EP 2310588 A4 20141029 (EN)

Application
EP 09732899 A 20090401

Priority
• US 2009039128 W 20090401
• US 10607708 A 20080418
• US 41431309 A 20090330

Abstract (en)
[origin: WO2009129051A2] A panel includes about 0.1 % to about 95% by weight of a renewable component and has at least one of a CAC value of at least about 25, an NRC value of at least about 0.25 and an STC of at least about 25. In an embodiment, the panel has a core including 0.1 % to 95% by weight of the renewable component, 0.1 % to 95% by weight fibers, and 1 % to 30% by weight binders, all based on dry panel weight. The renewable component optionally has a particle size distribution whereby less than 5% of the particles are retained by a mesh screen with openings of 0.312 inches and less than 5% of the particles pass through a mesh screen with openings of 0.059 inches. A method for manufacturing such panels is also provided.

IPC 8 full level
E04B 1/86 (2006.01); **E04B 9/04** (2006.01); **E04B 1/74** (2006.01); **E04B 1/82** (2006.01)

CPC (source: EP KR)
C04B 28/26 (2013.01 - EP); **E04B 1/84** (2013.01 - KR); **E04B 1/86** (2013.01 - EP KR); **E04B 9/04** (2013.01 - EP); **E04C 2/02** (2013.01 - KR); **E04C 2/26** (2013.01 - KR); **C04B 2111/52** (2013.01 - EP); **E04B 2001/745** (2013.01 - EP); **E04B 2001/746** (2013.01 - EP); **E04B 2001/8245** (2013.01 - EP); **Y02A 30/244** (2017.12 - EP); **Y02W 30/91** (2015.05 - EP)

Citation (search report)
• [X] US 2007042658 A1 20070222 - CLINE ANTHONY J [US], et al
• [A] US 5656129 A 19970812 - GOOD DAVID BENARD [US], et al
• [A] DE 102004024251 A1 20051208 - INST GETREIDEVERARBEITUNG [DE]
• See references of WO 2009129051A2

Citation (examination)
EP 1158095 A2 20011128 - ARMSTRONG WORLD IND INC [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009129051 A2 20091022; WO 2009129051 A3 20091217; BR PI0907357 A2 20151013; BR PI0907357 B1 20190409; CA 2721574 A1 20091022; CA 2721574 C 20180501; CN 102007255 A 20110406; CN 105178462 A 20151223; CO 6311022 A2 20110822; EP 2310588 A2 20110420; EP 2310588 A4 20141029; JP 2011518266 A 20110623; JP 5691097 B2 20150401; KR 101633779 B1 20160627; KR 20110021785 A 20110304; MX 2010011031 A 20101105; MY 157316 A 20160531; RU 2010143122 A 20120527; RU 2507349 C2 20140220; TW 201006992 A 20100216; TW I460339 B 20141111; ZA 201007103 B 20110727

DOCDB simple family (application)
US 2009039128 W 20090401; BR PI0907357 A 20090401; CA 2721574 A 20090401; CN 200980113651 A 20090401; CN 201510532756 A 20090401; CO 10144677 A 20101118; EP 09732899 A 20090401; JP 2011505074 A 20090401; KR 20107025828 A 20090401; MX 2010011031 A 20090401; MY PI20104698 A 20090401; RU 2010143122 A 20090401; TW 98112160 A 20090413; ZA 201007103 A 20101006