

Title (en)

FLEXIBLE INSULATING STRUCTURES AND METHODS OF MAKING AND USING SAME

Title (de)

FLEXIBLE ISOLIERSTRUKTUREN SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)

STRUCTURES ISOLANTES SOUPLES ET LEURS PROCÉDÉS DE FABRICATION ET D'UTILISATION

Publication

EP 2864535 B1 20181114 (EN)

Application

EP 13737724 A 20130624

Priority

- US 201261664411 P 20120626
- US 2013047291 W 20130624

Abstract (en)

[origin: US2013344279A1] A flexible insulating structure includes a batting and a mixture of aerogel-containing particles and a binder, the aerogel-containing particles impregnating at least one layer of the batting. A method for preparing a flexible insulating structure comprises applying a mixture including aerogel-containing particles and a binder to a batting having one or more batting layers; and drying or allowing the binder to dry, thereby forming the flexible insulating structure.

IPC 8 full level

D04H 1/413 (2012.01); **D04H 1/4209** (2012.01); **D04H 1/435** (2012.01); **D04H 1/4374** (2012.01); **D04H 1/587** (2012.01); **E04B 1/76** (2006.01); **E04B 1/78** (2006.01)

CPC (source: EP US)

D04H 1/413 (2013.01 - EP US); **D04H 1/4209** (2013.01 - EP US); **D04H 1/435** (2013.01 - EP US); **D04H 1/4374** (2013.01 - EP US); **D04H 1/587** (2013.01 - EP US); **E04B 1/7662** (2013.01 - US); **E04B 1/78** (2013.01 - US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 428/237** (2015.01 - EP US); **Y10T 442/2631** (2015.04 - EP US)

Citation (examination)

US 2003215640 A1 20031120 - ACKERMAN WILLIAM CLAY [US], et al

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

US 2013344279 A1 20131226; CA 2876691 A1 20140103; CA 2876691 C 20180612; CN 104603344 A 20150506; CN 104603344 B 20200331; EP 2864535 A1 20150429; EP 2864535 B1 20181114; JP 2015528071 A 20150924; JP 2017155402 A 20170907; JP 6487494 B2 20190320; US 2017101773 A1 20170413; WO 2014004366 A1 20140103

DOCDB simple family (application)

US 201313924909 A 20130624; CA 2876691 A 20130624; CN 201380043635 A 20130624; EP 13737724 A 20130624; JP 2015520362 A 20130624; JP 2017099740 A 20170519; US 2013047291 W 20130624; US 201615386359 A 20161221