

Title (en)

METHOD FOR MANUFACTURING A FIRE-RESISTANT MATERIAL BASED ON HOMOGENEOUS FOAM PRODUCTS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BRANDSCHUTZMITTELS AUF BASIS HOMOGENER SCHAUMPRODUKTE

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN AGENT IGNIFUGE À BASE DE PRODUITS MULTICELLULAIRES HOMOGÈNES

Publication

EP 3271300 A1 20180124 (DE)

Application

EP 16711222 A 20160316

Priority

- DE 102015103831 A 20150316
- EP 2016055714 W 20160316

Abstract (en)

[origin: WO2016146700A1] The invention relates to a method for manufacturing a fire-resistant material based on homogeneous foam products. In said method, first a glass is reacted with an aqueous alkali hydroxide solution at temperatures above 50 °C. The reaction product is discharged as a viscous mass and is granulated and cooled until turning into a solid granular material. According to the invention, the granules are furnished with a hydrophobic coating having a thickness of about 20 µm to 500 µm and are incorporated as a fire-resistant additive into a construction material.

IPC 8 full level

C03C 3/105 (2006.01); **C03C 11/00** (2006.01); **C03C 17/30** (2006.01); **C08K 5/00** (2006.01)

CPC (source: EP US)

C03C 3/105 (2013.01 - EP US); **C03C 3/108** (2013.01 - US); **C03C 11/007** (2013.01 - EP US); **C03C 17/30** (2013.01 - EP US); **C08K 7/28** (2013.01 - EP US); **C08L 101/12** (2013.01 - US); **C09K 3/10** (2013.01 - EP US); **C09K 21/02** (2013.01 - EP US); **H01B 3/18** (2013.01 - EP US); **C03C 2203/20** (2013.01 - US); **C03C 2203/50** (2013.01 - US); **C03C 2217/76** (2013.01 - EP US); **C03C 2218/31** (2013.01 - EP US); **C09K 2003/1053** (2013.01 - EP US); **C09K 2003/1078** (2013.01 - EP US)

C-Set (source: EP US)

C08K 7/28 + **C08L 21/00**

Citation (search report)

See references of WO 2016146700A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016146700 A1 20160922; DE 102015103831 A1 20160922; EP 3271300 A1 20180124; JP 2018513905 A 20180531; KR 20170129809 A 20171127; US 2018187082 A1 20180705

DOCDB simple family (application)

EP 2016055714 W 20160316; DE 102015103831 A 20150316; EP 16711222 A 20160316; JP 2017567541 A 20160316; KR 20177029299 A 20160316; US 201615558802 A 20160316