Title (en)

ENVIRONMENTALLY RESPONSIBLE INSULATING CONSTRUCTION BLOCKS

Title (de)

UMWELTFREUNDLICHE DÄMMENDE BAUBLÖCKE

Title (fr)

BLOCS DE CONSTRUCTION ISOLANT RESPECTUEUX DE L'ENVIRONNEMENT

Publication

EP 3377457 A4 20190710 (EN)

Application

EP 15908927 A 20151117

Priority

US 2015061055 W 20151117

Abstract (en)

[origin: WO2017086932A1] Environmentally responsible insulating construction blocks constructed primarily of recycled materials are disclosed. The construction blocks comprise shredded rubber tire pieces coated with silica flume, slag cement and cement, which are then mixed with water and formed in a mold. The construction blocks can further comprise insulation foam disposed in the interior open matrix. The construction blocks provide high insulation as well as strength for applications such as roofing and wall construction, and other applications.

IPC 8 full level

C04B 18/22 (2006.01); **C04B 26/00** (2006.01); **E01C 5/06** (2006.01); **E01C 7/14** (2006.01); **E04B 1/74** (2006.01); **E04C 1/00** (2006.01); **E04D 11/02** (2006.01); **E04D 13/16** (2006.01)

CPC (source: EP KR)

C04B 18/22 (2013.01 - KR); **C04B 20/1077** (2013.01 - KR); **C04B 28/02** (2013.01 - EP); **C04B 28/08** (2013.01 - EP KR); **E01C 5/06** (2013.01 - KR); **E04C 1/00** (2013.01 - EP); **E04C 1/40** (2013.01 - KR); **E04D 11/02** (2013.01 - EP KR); **E04D 13/16** (2013.01 - EP); **E04F 13/0875** (2013.01 - KR); C04B 2111/00586 (2013.01 - EP); C04B 2111/00612 (2013.01 - EP); C04B 2201/30 (2013.01 - KR); E04B 2001/746 (2013.01 - EP); E04D 13/155 (2013.01 - EP); Y02W 30/91 (2015.05 - EP)

Citation (search report)

- [X] US 2009288582 A1 20091126 - GLESSNER JAMES [US], et al
- [X] US 5724783 A 19980310 - MANDISH THEODORE O [US]
- [X] EP 2718243 A1 20140416 - HERCULES INC [US]
- See references of WO 2017086932A1

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)

WO 2017086932 A1 20170526; CA 3002527 A1 20170526; CN 108367982 A 20180803; DO P2018000124 A 20181115; DO U2021000258 U 20181115; EP 3377457 A1 20180926; EP 3377457 A4 20190710; HK 1258709 A1 20191115; IL 259227 A 20180731; JP 2019503953 A 20190214; KR 20180084093 A 20180724; MX 2018005922 A 20180824; ZA 201802455 B 20181219

DOCDB simple family (application)

US 2015061055 W 20151117; CA 3002527 A 20151117; CN 201580085128 A 20151117; DO 2018000124 A 20180517; DO 2021000258 U 20211210; EP 15908927 A 20151117; HK 19101109 A 20190122; IL 25922718 A 20180508; JP 2018526518 A 20151117; KR 20187016802 A 20151117; MX 2018005922 A 20151117; ZA 201802455 A 20180413