

Title (en)

COMPOSITE MATERIALS, METHODS OF PRODUCTION AND USES THEREOF

Title (de)

VERBUNDMATERIALIEN, VERFAHREN ZUR HERSTELLUNG DAVON UND VERWENDUNGEN DAVON

Title (fr)

MATÉRIAUX COMPOSITES, LEURS PROCÉDÉS DE PRODUCTION ET LEURS UTILISATIONS

Publication

EP 3720828 A4 20210714 (EN)

Application

EP 17933872 A 20171204

Priority

US 2017064544 W 20171204

Abstract (en)

[origin: WO2019112555A1] The invention provides novel articles of composite materials having hollow interior channels or passageways, or otherwise being hollowed out, and formulations and methods for their manufacture and uses. These hollow core objects are suitable for a variety of applications in construction, pavements and landscaping, and infrastructure.

IPC 8 full level

C04B 40/02 (2006.01); **B28B 11/24** (2006.01); **C04B 28/18** (2006.01); **E04C 2/06** (2006.01)

CPC (source: EP)

B28B 11/245 (2013.01); **B28B 11/247** (2013.01); **C04B 28/188** (2013.01); **E04C 2/06** (2013.01); **Y02P 40/18** (2015.11); **Y02W 30/91** (2015.05)

C-Set (source: EP)

C04B 28/188 + **C04B 14/22** + **C04B 18/20** + **C04B 32/02** + **C04B 40/0231**

Citation (search report)

- [XII] US 2014322083 A1 20141030 - KUPPLER JOHN P [US], et al
- [XII] DE 19541866 A1 19970515 - YTONG AG [DE]
- [XII] WO 2009078430 A1 20090625 - KAJIMA CORP [JP], et al
- See also references of WO 2019112555A1

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 2019112555 A1 20190613; BR 112020011138 A2 20201117; CA 3083371 A1 20190613; CN 111615503 A 20200901; EA 202091075 A1 20201215; EP 3720828 A1 20201014; EP 3720828 A4 20210714; JP 2021505523 A 20210218; JP 2023159143 A 20231031

DOCDB simple family (application)

US 2017064544 W 20171204; BR 112020011138 A 20171204; CA 3083371 A 20171204; CN 201780097871 A 20171204; EA 202091075 A 20171204; EP 17933872 A 20171204; JP 2020548855 A 20171204; JP 2023126026 A 20230802