

Title (en)
GRAPHITE EXFOLIATION IN RESIN

Title (de)
GRAPHITEXFOLIERUNG IN HARZ

Title (fr)
EXFOLIATION DU GRAPHITE DANS UNE RÉSINE

Publication
EP 3237514 A4 20180725 (EN)

Application
EP 15874299 A 20151222

Priority
• US 201462095452 P 20141222
• US 2015067365 W 20151222

Abstract (en)
[origin: WO2016106312A2] Provided herein is technology relating to polymer composite materials and particularly, but not exclusively, to graphene-polymer composite materials and methods for producing graphene-polymer composite materials by exfoliating graphite directly in a resin such as a liquid thermoset resin.

IPC 8 full level
C08K 3/04 (2006.01); **C01B 32/05** (2017.01); **C08J 3/20** (2006.01); **C09C 1/46** (2006.01)

CPC (source: EP)
C08J 3/20 (2013.01); **C08K 3/042** (2017.04); **C08K 2201/011** (2013.01)

C-Set (source: EP)
1. **C08K 3/042 + C08L 63/06**
2. **C08K 3/042 + C08L 63/00**
3. **C08K 3/042 + C08L 67/06**
4. **C08K 3/042 + C08L 27/06**

Citation (search report)
• [XY] WO 2014140324 A1 20140918 - PROVOST FELLOWS & SCHOLARS COLLEGE OF THE HOLY UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN [IE]
• [XY] WO 2014062226 A1 20140424 - UNIV RUTGERS [US]
• [XY] WO 2008021033 A2 20080221 - DOW GLOBAL TECHNOLOGIES INC [US], et al
• [XY] WO 2010115173 A1 20101007 - VORBECK MATERIALS CORP [US], et al
• See references of WO 2016106312A2

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 2016106312 A2 20160630; WO 2016106312 A3 20161124; CN 107250236 A 20171013; EP 3237514 A2 20171101; EP 3237514 A4 20180725

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US 2015067365 W 20151222; CN 201580076686 A 20151222; EP 15874299 A 20151222