

Title (en)

CNS-INFUSED CARBON NANOMATERIALS AND PROCESS THEREFOR

Title (de)

CNS-INFUNDIERTE KOHLENSTOFFNANOMATERIALIEN UND VERFAHREN DAFÜR

Title (fr)

NANOMATIÈRES CARBONÉES À NANOSTRUCTURES CARBONÉES INFUSÉES ET PROCÉDÉ ASSOCIÉ

Publication

EP 2855747 A4 20160224 (EN)

Application

EP 13800913 A 20130510

Priority

- US 201213489366 A 20120605
- US 2013040548 W 20130510

Abstract (en)

[origin: WO2013184285A1] A composition includes a carbon nanotube (CNT) yarn or sheet and a plurality of carbon nanostructures (CNSs) infused to a surface of the CNT yarn or sheet, wherein the CNSs are disposed substantially radially from the surface of the CNT yarn or outwardly from the sheet. Such compositions can be used in various combinations in composite articles.

IPC 8 full level

D01F 11/12 (2006.01); **D06M 11/74** (2006.01)

CPC (source: EP KR US)

B82Y 30/00 (2013.01 - EP); **B82Y 40/00** (2013.01 - EP); **C01B 32/158** (2017.07 - EP US); **C01B 32/159** (2017.07 - EP US); **C08J 5/06** (2013.01 - EP); **C08J 5/243** (2021.05 - EP KR US); **D01F 9/12** (2013.01 - KR); **D01F 11/125** (2013.01 - EP); **D06M 11/74** (2013.01 - EP KR US); **D06M 2101/40** (2013.01 - EP KR)

Citation (search report)

- [Y] US 2011024694 A1 20110203 - SHAH TUSHAR K [US], et al
- [Y] US 2012085970 A1 20120412 - ZHANG MEI [US], et al
- See references of WO 2013184285A1

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 2013184285 A1 20131212; AU 2013272202 A1 20141218; BR 112014030239 A2 20170627; CA 2875308 A1 20131212; EP 2855747 A1 20150408; EP 2855747 A4 20160224; IN 10290DEN2014 A 20150807; JP 2015528068 A 20150924; KR 20150023497 A 20150305

DOCDB simple family (application)

US 2013040548 W 20130510; AU 2013272202 A 20130510; BR 112014030239 A 20130510; CA 2875308 A 20130510; EP 13800913 A 20130510; IN 10290DEN2014 A 20141203; JP 2015516025 A 20130510; KR 20147036481 A 20130510