

Title (en)
USE OF COMPOSITE MATERIALS BASED ON CARBON NANOTUBES AS THICKENING AGENTS FOR AQUEOUS SOLUTIONS

Title (de)
VERWENDUNG VON VERBUNDMATERIALIEN AUF BASIS VON KOHLENSTOFF-NANORÖHRCHEN ALS VERDICKUNGSMITTEL FÜR WÄSSRIGE LÖSUNGEN

Title (fr)
UTILISATION DE MATERIAUX COMPOSITES A BASE DE NANOTUBES DE CARBONE COMME AGENTS VISCOSIFIANTS DE SOLUTIONS AQUEUSES

Publication
EP 2018405 A2 20090128 (FR)

Application
EP 07766060 A 20070516

Priority

- FR 2007051286 W 20070516
- FR 0651816 A 20060518
- US 83014806 P 20060711

Abstract (en)
[origin: FR2901154A1] Use of a composite material comprising carbon nanotubes (CNT) and a hydrophilic (co)polymer, as viscosifying agent of aqueous solutions. An independent claim is included for an aqueous dispersion comprising the composite material as the viscosifying agent.

IPC 8 full level
C08J 5/00 (2006.01); **C09K 23/00** (2022.01); **B01F 23/00** (2022.01); **C09K 8/03** (2006.01); **D21H 17/00** (2006.01)

CPC (source: EP KR US)
B82Y 30/00 (2013.01 - EP US); **C02F 1/56** (2013.01 - KR); **C04B 14/026** (2013.01 - KR); **C04B 24/163** (2013.01 - KR); **C04B 24/2641** (2013.01 - KR); **C04B 40/0039** (2013.01 - EP KR US); **C08J 5/005** (2013.01 - EP KR US); **C08K 3/041** (2017.04 - KR); **C08L 53/00** (2013.01 - EP KR US); **C09D 153/00** (2013.01 - EP KR US); **C09K 8/03** (2013.01 - EP KR US); **C09K 8/42** (2013.01 - EP KR US); **C09K 23/00** (2022.01 - EP KR US); **C09K 23/002** (2022.01 - EP KR US); **C11D 3/3719** (2013.01 - EP KR US); **C11D 3/3746** (2013.01 - EP KR US); **C11D 7/02** (2013.01 - EP KR US); **C11D 17/003** (2013.01 - EP KR US); **D06M 15/21** (2013.01 - EP KR US); **D06M 15/233** (2013.01 - EP KR US); **D06M 15/263** (2013.01 - EP KR US); **D21H 13/50** (2013.01 - KR); **D21H 17/34** (2013.01 - EP KR US); **D21H 19/00** (2013.01 - EP KR US); **D21H 19/44** (2013.01 - KR); **D21H 21/00** (2013.01 - EP KR US); **C02F 1/56** (2013.01 - EP US); **C02F 2305/08** (2013.01 - EP KR US); **C04B 2103/44** (2013.01 - EP KR US); **C08L 2666/02** (2013.01 - KR); **C09K 2208/10** (2013.01 - EP KR US); **D21H 13/50** (2013.01 - EP US); **D21H 19/44** (2013.01 - EP US)

Citation (search report)
See references of WO 2007135323A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
FR 2901154 A1 20071123; FR 2901154 B1 20080718; CN 101490142 A 20090722; CN 101490142 B 20130619; EP 2018405 A2 20090128; JP 2009537648 A 20091029; JP 5015240 B2 20120829; KR 101213011 B1 20121217; KR 20090014200 A 20090206; US 2009306276 A1 20091210; US 2012132843 A1 20120531; WO 2007135323 A2 20071129; WO 2007135323 A3 20081127

DOCDB simple family (application)
FR 0651816 A 20060518; CN 200780027407 A 20070516; EP 07766060 A 20070516; FR 2007051286 W 20070516; JP 2009510518 A 20070516; KR 20087030097 A 20070516; US 201113339517 A 20111229; US 30110807 A 20070516