

Title (en)

METHOD FOR CLEANING CARBON NANOTUBES AND CARBON NANOTUBE SUBSTRATE AND USES THEREFOR

Title (de)

VERFAHREN ZUR REINIGUNG VON KOHLENSTOFFNANORÖHRCHEN SOWIE KOHLENSTOFFNANORÖHRCHENSUBSTRAT UND VERWENDUNGEN DAFÜR

Title (fr)

PROCÉDÉ DE PURIFICATION DE NANOTUBES DE CARBONE, SUBSTRAT DE NANOTUBES DE CARBONE ET LEURS UTILISATIONS

Publication

EP 3024780 A1 20160601 (DE)

Application

EP 14742491 A 20140718

Priority

- DE 102013214431 A 20130724
- EP 2014065467 W 20140718

Abstract (en)

[origin: WO2015011034A1] The invention relates to a method for cleaning carbon nanotubes comprising the following steps: provision of a carbon nanotube substrate, first washing of the carbon nanotube substrate by means of an acid and second washing of the carbon nanotube substrate by means of a solution, wherein the solution has replacement anions of at least one of the acid radical anions of the acid of different type, and the substance amount fraction of the replacement anions in the solution is greater than the substance amount fraction of the anions in the solution corresponding to the acid radical anions of the acid. The invention further relates to a carbon nanotube substrate which can be obtained by such a method.

IPC 8 full level

C01B 31/02 (2006.01)

CPC (source: EP US)

C01B 32/17 (2017.07 - EP US); **H01M 4/133** (2013.01 - US); **H01M 4/96** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2015011034A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013214431 A1 20150129; CN 105377754 A 20160302; EP 3024780 A1 20160601; JP 2016527171 A 20160908; KR 20160034301 A 20160329; US 2016167966 A1 20160616; US 9695046 B2 20170704; WO 2015011034 A1 20150129

DOCDB simple family (application)

DE 102013214431 A 20130724; CN 201480041682 A 20140718; EP 14742491 A 20140718; EP 2014065467 W 20140718; JP 2016528453 A 20140718; KR 20167001618 A 20140718; US 201414906971 A 20140718