

Title (en)

METHOD FOR PRODUCING CARBON FILLERS HAVING COVALENTLY BONDED AMINO GROUPS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOVALENT GEBUNDENE AMINOGRUPPEN AUFWEISENDEN KOHLENSTOFF-FÜLLSTOFFEN

Title (fr)

PROCÉDÉ DE PRÉPARATION DE CHARGES DE CARBONE PRÉSENTANT DES GROUPES AMINO À LIAISON COVALENTE

Publication

EP 2710077 A1 20140326 (DE)

Application

EP 12723430 A 20120516

Priority

- EP 11166537 A 20110518
- EP 2012059113 W 20120516
- EP 12723430 A 20120516

Abstract (en)

[origin: WO2012156442A1] The invention relates to a method for producing carbon fillers having covalently bonded amino groups by reacting a mixture, which contains carbon fillers and alkali and/or alkaline-earth metals and/or amides thereof in liquid water-free ammonia, optionally together with an inert solvent, at temperatures of 35 to 500 °C and a pressure of 30 to 250 bar.

IPC 8 full level

B82Y 30/00 (2011.01); **B82Y 40/00** (2011.01); **C01B 31/02** (2006.01); **C01B 31/04** (2006.01); **C09C 1/48** (2006.01); **C09C 1/56** (2006.01)

CPC (source: EP KR)

B82Y 30/00 (2013.01 - EP); **B82Y 40/00** (2013.01 - EP); **C01B 32/174** (2017.07 - EP); **C01B 32/194** (2017.07 - EP); **C09C 1/44** (2013.01 - KR); **C09C 1/48** (2013.01 - EP); **C09C 1/56** (2013.01 - EP); **C09C 3/08** (2013.01 - KR); **C01B 2202/02** (2013.01 - EP); **C01B 2202/06** (2013.01 - EP); **C01P 2004/13** (2013.01 - EP); **C01P 2004/133** (2013.01 - EP); **C01P 2004/54** (2013.01 - EP); **C01P 2006/12** (2013.01 - EP); **C01P 2006/19** (2013.01 - EP)

Citation (search report)

See references of WO 2012156442A1

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 2012156442 A1 20121122; AU 2012258241 A1 20131219; BR 112013029652 A2 20190924; CA 2836399 A1 20121122; CN 103619964 A 20140305; EA 201391704 A1 20140530; EP 2710077 A1 20140326; IL 229311 A0 20140130; JP 2014523926 A 20140918; KR 20140037844 A 20140327; MX 2013013311 A 20140220; ZA 201309441 B 20160224

DOCDB simple family (application)

EP 2012059113 W 20120516; AU 2012258241 A 20120516; BR 112013029652 A 20120516; CA 2836399 A 20120516; CN 201280030927 A 20120516; EA 201391704 A 20120516; EP 12723430 A 20120516; IL 22931113 A 20131107; JP 2014510791 A 20120516; KR 20137030312 A 20120516; MX 2013013311 A 20120516; ZA 201309441 A 20131213