

Title (en)

SYSTEMS AND METHODS FOR PRODUCING HYPERPOLARIZED MATERIALS AND MIXTURES THEREOF

Title (de)

SYSTEME UND VERFAHREN ZUR HERSTELLUNG HYPERPOLARISierter MATERIALIEN UND MISCHUNGEN DAVON

Title (fr)

SYSTÈMES ET PROCÉDÉS PERMETTANT LA PRODUCTION DE MATÉRIAUX HYPERPOLARISÉS ET LEURS MÉLANGES

Publication

EP 2473198 A4 20150624 (EN)

Application

EP 10812752 A 20100831

Priority

- US 23864709 P 20090831
- US 2010047310 W 20100831

Abstract (en)

[origin: WO2011026103A2] The present disclosure provides various methods and systems for manufacture, transport and delivery of material including highly polarized nuclei that is in a hyperpolarized state.

IPC 8 full level

G01R 33/28 (2006.01); **A61K 49/00** (2006.01); **A61K 49/06** (2006.01)

CPC (source: EP KR)

A61K 49/06 (2013.01 - EP KR); **A61K 49/08** (2013.01 - KR); **G01R 33/282** (2013.01 - EP KR)

Citation (search report)

- [A] TOMASELLI M ET AL: "HAUPT MAGNETIC DOUBLE RESONANCE", JOURNAL OF CHEMICAL PHYSICS, AMERICAN INSTITUTE OF PHYSICS, US, vol. 118, no. 19, 15 May 2003 (2003-05-15), pages 8559 - 8562, XP009048801, ISSN: 0021-9606, DOI: 10.1063/1.1573635
- See references of WO 2011026103A2

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011026103 A2 20110303; WO 2011026103 A3 20110721; AU 2010286413 A1 20120405; AU 2010286413 B2 20141120; CA 2772190 A1 20110303; CN 102753201 A 20121024; EP 2473198 A2 20120711; EP 2473198 A4 20150624; IN 2418DEN2012 A 20150821; JP 2013503021 A 20130131; JP 5792726 B2 20151014; KR 20120101339 A 20120913; SG 178927 A1 20120427

DOCDB simple family (application)

US 2010047310 W 20100831; AU 2010286413 A 20100831; CA 2772190 A 20100831; CN 201080047139 A 20100831; EP 10812752 A 20100831; IN 2418DEN2012 A 20120320; JP 2012527097 A 20100831; KR 20127008209 A 20100831; SG 2012014379 A 20100831