

Title (en)

MAGNETIC ADSORBENTS, METHODS FOR MANUFACTURING A MAGNETIC ADSORBENT, AND METHODS OF REMOVAL OF CONTAMINANTS FROM FLUID STREAMS

Title (de)

MAGNETISCHE ADSORBENTIEN, VERFAHREN ZUR HERSTELLUNG EINES MAGNETISCHEN ADSORBENS UND VERFAHREN ZUR ENTFERNUNG VON KONTAMINATIONEN AUS FLUIDSTRÖMEN

Title (fr)

ADSORBANTS MAGNÉTIQUES, PROCÉDÉS POUR FABRIQUER UN ADSORBANT MAGNÉTIQUE, ET PROCÉDÉS D'ÉLIMINATION DE CONTAMINANTS DE FLUX DE FLUIDE

Publication

EP 2861322 A1 20150422 (EN)

Application

EP 13804938 A 20130220

Priority

- US 201261660475 P 20120615
- US 2013026863 W 20130220

Abstract (en)

[origin: WO2013187940A1] A magnetic adsorbent includes an adsorbent and iron oxide implanted onto a surface of the adsorbent, wherein a total surface area of the magnetic adsorbent is not substantially less than a total surface area of the adsorbent. Optionally, the adsorbent is activated carbon.

IPC 8 full level

B01J 20/06 (2006.01); **B01D 53/10** (2006.01); **B01D 53/64** (2006.01); **B01D 53/83** (2006.01); **B01J 20/20** (2006.01); **B01J 20/28** (2006.01); **B01J 20/30** (2006.01)

CPC (source: EP)

B01D 53/10 (2013.01); **B01D 53/64** (2013.01); **B01D 53/83** (2013.01); **B01J 20/06** (2013.01); **B01J 20/20** (2013.01); **B01J 20/28009** (2013.01); **B01J 20/28057** (2013.01); **B01J 20/3021** (2013.01); **B01J 20/3085** (2013.01); **B01D 2251/108** (2013.01); **B01D 2253/102** (2013.01); **B01D 2255/20707** (2013.01); **B01D 2255/802** (2013.01); **B01D 2257/602** (2013.01); **B01D 2258/0283** (2013.01); **B01D 2259/814** (2013.01)

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)

WO 2013187940 A1 20131219; AU 2013274862 A1 20150115; AU 2018203359 B2 20191205; CA 2876164 A1 20131219; CA 2876164 C 20210608; CN 104812464 A 20150729; EP 2861322 A1 20150422; EP 2861322 A4 20160302; JP 2015526274 A 20150910

DOCDB simple family (application)

US 2013026863 W 20130220; AU 2013274862 A 20130220; AU 2018203359 A 20180514; CA 2876164 A 20130220; CN 201380031297 A 20130220; EP 13804938 A 20130220; JP 2015517233 A 20130220