

Title (en)

HIGH-DENSITY MICROPOROUS CARBON AND METHOD FOR PREPARING SAME

Title (de)

HOCHDICHTER MIKROPORÖSER KOHLENSTOFF UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CARBONE MICROPOREUX DE DENSITE ELEVEE ET SON PROCEDE DE PREPARATION

Publication

EP 3445795 A1 20190227 (FR)

Application

EP 17721782 A 20170414

Priority

- FR 1653417 A 20160418
- FR 2017050898 W 20170414

Abstract (en)

[origin: CA3020975A1] A gelled aqueous polymer composition made from a resin produced by polycondensation of at least: - a polyhydroxybenzene R, preferably resorcinol, - hexamethylenetetramine HMTA, - an anionic polyelectrolyte PA, preferably phytic acid. An aerogel obtained by drying these microparticles, and porous carbon microspheres obtained from said gel microparticles by pyrolysis. A method for producing a polymerised aqueous gel, an aerogel and porous carbon microspheres. Electrodes and electrochemical cell prepared from the porous carbon particles.

IPC 8 full level

C08G 16/02 (2006.01); **C08G 8/22** (2006.01); **C08J 3/075** (2006.01); **H01G 9/042** (2006.01); **H01G 11/32** (2013.01); **H01G 11/44** (2013.01)

CPC (source: EP KR US)

C01B 32/05 (2017.07 - EP KR US); **C08G 8/22** (2013.01 - EP KR US); **C08G 12/06** (2013.01 - KR); **C08G 16/0243** (2013.01 - EP KR US); **C08G 73/0683** (2013.01 - US); **C08J 3/075** (2013.01 - US); **C08J 9/286** (2013.01 - EP KR US); **C08K 5/524** (2013.01 - US); **H01G 9/042** (2013.01 - KR); **H01G 11/24** (2013.01 - EP US); **H01G 11/32** (2013.01 - KR US); **H01G 11/34** (2013.01 - EP US); **H01G 11/44** (2013.01 - EP KR US); **C01P 2004/32** (2013.01 - US); **C01P 2004/61** (2013.01 - KR); **C01P 2006/11** (2013.01 - KR US); **C01P 2006/12** (2013.01 - US); **C01P 2006/14** (2013.01 - KR US); **C01P 2006/16** (2013.01 - KR); **C01P 2006/40** (2013.01 - US); **C08J 2201/0504** (2013.01 - EP KR US); **C08J 2205/022** (2013.01 - EP KR US); **C08J 2205/026** (2013.01 - EP KR US); **C08J 2361/00** (2013.01 - EP KR US); **C08J 2379/04** (2013.01 - US)

Citation (search report)

See references of WO 2017182743A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3050208 A1 20171020; **FR 3050208 B1 20180427**; CA 3020975 A1 20171026; CN 109071747 A 20181221; EP 3445795 A1 20190227; IL 262283 A 20181129; JP 2019518093 A 20190627; KR 20180136980 A 20181226; US 2019127528 A1 20190502; WO 2017182743 A1 20171026

DOCDB simple family (application)

FR 1653417 A 20160418; CA 3020975 A 20170414; CN 201780024335 A 20170414; EP 17721782 A 20170414; FR 2017050898 W 20170414; IL 26228318 A 20181010; JP 2018554443 A 20170414; KR 20187033058 A 20170414; US 201716094282 A 20170414