

Title (en)

FILTRATION MEDIUM CONTAINING GRAFTED LEWIS BASE MOLECULES

Title (de)

FILTRIERMEDIUM MIT GEPFROPFTEN LEWIS-BASE-MOLEKÜLEN

Title (fr)

MILIEU DE FILTRATION COMPRENANT DES MOLECULES BASE DE LEWIS GREFFEES

Publication

EP 2111489 A1 20091028 (FR)

Application

EP 08761808 A 20080128

Priority

- FR 2008000097 W 20080128
- FR 0700591 A 20070129

Abstract (en)

[origin: FR2911799A1] A medium (A) for filtration of a fluid containing Lewis acids (I) comprises a porous textile substrate to which molecules containing Lewis base groups are grafted, so that (I) are retained on (A) by complexation with the grafted groups. An independent claim is included for the production of (A), by: (a) impregnating the substrate with a solution of the Lewis base, also containing a surfactant for improving the wetting of the substrate by the solution; and (b) irradiating the impregnated substrate with the ionizing radiation, so that Lewis base is grafted via surfactant bridges.

IPC 8 full level

B01D 39/08 (2006.01); **D06M 14/18** (2006.01)

CPC (source: EP US)

C02F 1/285 (2013.01 - EP US); **D06M 14/28** (2013.01 - EP US); **C02F 1/683** (2013.01 - EP US); **C02F 2303/04** (2013.01 - EP US); **C02F 2305/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2008110680A1

Citation (examination)

JP 2001123381 A 20010508 - KIRESUTO KK, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2911799 A1 20080801; **FR 2911799 B1 20090501**; CA 2672051 A1 20080918; CN 101600834 A 20091209; EP 2111489 A1 20091028; JP 2010516456 A 20100520; RU 2009124414 A 20110310; US 2010038326 A1 20100218; WO 2008110680 A1 20080918

DOCDB simple family (application)

FR 0700591 A 20070129; CA 2672051 A 20080128; CN 200880001797 A 20080128; EP 08761808 A 20080128; FR 2008000097 W 20080128; JP 2009546791 A 20080128; RU 2009124414 A 20080128; US 52258908 A 20080128