

Title (en)

EXPANDABLE COMPOSITE MATERIAL STORING LIQUIDS, AND PRODUCTION AND USE THEREOF

Title (de)

FLÜSSIGKEITEN SPEICHERNDES UND EXPANDIERBARES KOMPOSITMATERIAL SOWIE DESSEN HERSTELLUNG UND ANWENDUNG

Title (fr)

MATIÈRE COMPOSITE EXPANSIBLE POUVANT STOCKER DES LIQUIDES, SA PRODUCTION ET SON UTILISATION

Publication

**EP 2456736 A2 20120530 (DE)**

Application

**EP 10765562 A 20100721**

Priority

- DE 102009034137 A 20090722
- DE 2010000840 W 20100721

Abstract (en)

[origin: WO2011009441A2] Disclosed is a composite material, in particular a homogeneous composite material designed as a molded article and/or suitable for the production of molded articles. Said composite material is made of polymer materials and lignite and/or leonardite and/or xylite and mineral components obtained from igneous rock and/or phyllosilicate, expands under the effect of liquids, especially water, aqueous solutions, and aqueous oil emulsions, and is suitable to store said liquids, form hydrogel, and discharge said hydrogel.

IPC 8 full level

**C05F 11/02** (2006.01)

CPC (source: EP)

**C09K 3/32** (2013.01); **C09K 17/40** (2013.01)

Citation (search report)

See references of WO 2011009441A2

Cited by

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DOCDB simple family (publication)

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