

Title (en)

IMPROVED HUMIDITY-REGULATING COMPOSITE MATERIALS

Title (de)

VERBESSERTE FEUCHTIGKEITSREGULIERENDE VERBUNDSTOFFE

Title (fr)

MATERIAUX COMPOSITES REGULATEURS D'HUMIDITE AMELIORES

Publication

EP 1920104 A1 20080514 (DE)

Application

EP 06792746 A 20060809

Priority

- EP 2006065169 W 20060809
- DE 102005039974 A 20050823

Abstract (en)

[origin: WO2007023085A1] The invention relates to improved humidity-regulating composite materials comprising a flat carrier material, a water-soluble hygroscopic substance, and a water-absorbent polymer which is polymerised on the carrier material in the presence of the hygroscopic substance, and which is obtained by polymerising a monomer mixture which contains at least one ethylenically unsaturated monomer i) and at least 6 weight parts of cross-linking agents iii) in relation to 100 weight parts of monomers i) The invention also relates to a method for producing said materials and to the use thereof for humidity regulation.

IPC 8 full level

D06M 15/263 (2006.01); **A47C 21/04** (2006.01); **A61F 13/00** (2006.01); **C08J 7/04** (2006.01); **D06M 11/13** (2006.01); **D06M 11/48** (2006.01); **D06M 11/56** (2006.01); **D06M 11/64** (2006.01); **D06M 13/148** (2006.01); **D06M 13/17** (2006.01); **D06M 15/21** (2006.01); **D06N 3/04** (2006.01)

CPC (source: EP US)

A47C 21/046 (2013.01 - EP US); **D06M 11/13** (2013.01 - EP US); **D06M 11/48** (2013.01 - EP US); **D06M 11/56** (2013.01 - EP US); **D06M 11/64** (2013.01 - EP US); **D06M 13/148** (2013.01 - EP US); **D06M 13/17** (2013.01 - EP US); **D06M 15/21** (2013.01 - EP US); **D06M 15/263** (2013.01 - EP US)

Citation (search report)

See references of WO 2007023085A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007023085 A1 20070301; CN 101248230 A 20080820; CN 101248230 B 20120725; DE 102005039974 A1 20070322; EP 1920104 A1 20080514; JP 2009506148 A 20090212; JP 5145230 B2 20130213; US 2008214725 A1 20080904

DOCDB simple family (application)

EP 2006065169 W 20060809; CN 200680030663 A 20060809; DE 102005039974 A 20050823; EP 06792746 A 20060809; JP 2008527429 A 20060809; US 99451806 A 20060809