

Title (en)

QUICK-DRYING BUILDING MATERIAL COMPOSITION BASED ON A MINERAL HYBRID BINDER

Title (de)

SCHNELLTROCKNENDE BAUSTOFFZUSAMMENSETZUNG AUF BASIS EINES MINERALISCHEN HYBRIDBINDEMITELS

Title (fr)

COMPOSITION DE MATÉRIAUX DE CONSTRUCTION À SÉCHAGE RAPIDE À BASE D'UN LIANT HYBRIDE MINÉRAL

Publication

**EP 3126308 A1 20170208 (DE)**

Application

**EP 15741864 A 20150330**

Priority

- EP 14162889 A 20140331
- EP 2015056881 W 20150330

Abstract (en)

[origin: WO2015150319A1] The invention relates to a quick-drying gypsum composition, in particular for use as gypsum filling compound and for the production of floorcoverings, wherein the gypsum composition contains 20 to 70% of a mixture of calcium aluminate and calcium sulfate hemihydrate and/or anhydrite and/or calcium sulfate dihydrate as hydraulic binders and 30 to 80% by weight of fillers, and wherein the weight ratio of calcium aluminate to calcium sulfate hemihydrate and/or anhydrite and/or calcium sulfate dihydrate binders lies in the range from 1:1 to 1:5. Gypsum compositions of this type are characterized by a particularly beneficial shrinkage behavior, such that stresses and cracks in the dried composition can be avoided. At the same time, the gypsum compositions dry to readiness for covering in a time that is compatible with conventional cement filling compounds.

IPC 8 full level

**C04B 28/06** (2006.01); **C04B 28/14** (2006.01); **C04B 28/16** (2006.01); **C04B 111/00** (2006.01); **C04B 111/34** (2006.01); **C04B 111/60** (2006.01)

CPC (source: EP US)

**C04B 14/06** (2013.01 - US); **C04B 14/28** (2013.01 - US); **C04B 28/06** (2013.01 - EP US); **C04B 28/065** (2013.01 - US); **C04B 28/141** (2013.01 - EP US); **C04B 28/145** (2013.01 - EP US); **C04B 28/16** (2013.01 - EP US); **C04B 2103/32** (2013.01 - US); **C04B 2111/00672** (2013.01 - EP US); **C04B 2111/00681** (2013.01 - US); **C04B 2111/32** (2013.01 - US); **C04B 2111/34** (2013.01 - EP US); **C04B 2111/60** (2013.01 - EP US)

Citation (search report)

See references of WO 2015150319A1

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 2015150319 A1 20151008**; AU 2015239675 A1 20161020; AU 2015239675 B2 20181004; DE 202015009909 U1 20210602; EP 3126308 A1 20170208; EP 3805181 A1 20210414; EP 3805181 B1 20221019; EP 4129951 A1 20230208; ES 2930291 T3 20221209; PL 3805181 T3 20230206; RS 63724 B1 20221230; US 10167229 B2 20190101; US 2017029333 A1 20170202

DOCDB simple family (application)

**EP 2015056881 W 20150330**; AU 2015239675 A 20150330; DE 202015009909 U 20150330; EP 15741864 A 20150330; EP 20206301 A 20150330; EP 22189989 A 20150330; ES 20206301 T 20150330; PL 20206301 T 20150330; RS P20221002 A 20150330; US 201515300813 A 20150330