

Title (en)

METHOD OF MAKING A GYPSUM SLURRY WITH MODIFIERS AND DISPERSANTS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GIPSBREIES MIT MODIFIKATOREN UND DISPERGIERMITTELN

Title (fr)

PROCEDE DESTINE A PREPARER UNE PATE DE PLATRE AVEC DES MODIFICATEURS ET DES DISPERSANTS

Publication

EP 1890980 A2 20080227 (EN)

Application

EP 06772998 A 20060613

Priority

- US 2006022932 W 20060613
- US 15232305 A 20050614
- US 45008606 A 20060609

Abstract (en)

[origin: WO2006138273A2] In a method of making a gypsum slurry, a polycarboxylate dispersant, a modifier and a hydraulic material comprising stucco are selected for use in the slurry. These components are then combined with water to form a slurry, where the modifier is added to the slurry prior to formation of a slurry phase by the water, the stucco and the dispersant. The modifier has been shown to be less effective when added after the dispersant and stucco have been contacted in an aqueous slurry. In a preferred embodiment, an amount of stucco is obtained and the modifier and dispersant are selected. A predissolved solution of a dispersant and modifier is prepared in water to form a solution prior to the addition of the stucco. After mixing the solution, the stucco is added to form the slurry. Optionally, the slurry is then shaped into a product and allowed to set.

IPC 8 full level

C04B 28/14 (2006.01)

CPC (source: EP KR)

C04B 28/14 (2013.01 - KR); **C04B 28/145** (2013.01 - EP); **C04B 2111/0062** (2013.01 - EP); **C04B 2111/60** (2013.01 - EP)

C-Set (source: EP)

1. **C04B 28/145 + C04B 22/10 + C04B 40/0028 + C04B 40/0263 + C04B 2103/408**
2. **C04B 28/145 + C04B 14/06 + C04B 20/0048 + C04B 22/064 + C04B 22/16 + C04B 24/003 + C04B 24/2647 + C04B 24/38 + C04B 40/0028 + C04B 40/0263 + C04B 2103/12 + C04B 2103/22 + C04B 2103/67**

Cited by

CN109734833A

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

WO 2006138273 A2 20061228; WO 2006138273 A3 20070927; AR 053629 A1 20070509; AU 2006259581 A1 20061228; AU 2006259581 B2 20110811; CA 2609584 A1 20061228; EP 1890980 A2 20080227; EP 1890980 A4 20101124; KR 20080034128 A 20080418; NO 20075839 L 20080226

DOCDB simple family (application)

US 2006022932 W 20060613; AR P060102522 A 20060614; AU 2006259581 A 20060613; CA 2609584 A 20060613; EP 06772998 A 20060613; KR 20087001091 A 20080114; NO 20075839 A 20071114