

Title (en)

MODIFIERS FOR GYPSUM SLURRIES AND METHOD OF USING THEM

Title (de)

MODIFIKATOREN FÜR GIPSAUFSCHLÄMMUNGEN UND VERFAHREN ZU IHRER VERWENDUNG

Title (fr)

ADDITIFS DE SUSPENSIONS EPAISSES DE GYPSE ET PROCEDE D'UTILISATION DE CEUX-CI

Publication

EP 1896376 A4 20130102 (EN)

Application

EP 06773002 A 20060613

Priority

- US 2006022936 W 20060613
- US 15231705 A 20050614
- US 45006806 A 20060609

Abstract (en)

[origin: WO2006138277A2] An improved gypsum slurry that includes water, calcium sulfate hemihydrate, a polycarboxylate dispersant and a modifier. The modifier is chemically configured to improve the efficacy of the polycarboxylate dispersant. Preferred modifiers include cement, lime, slaked lime, soda ash, carbonates, silicates and phosphates.

IPC 8 full level

C04B 11/00 (2006.01); **C04B 28/14** (2006.01)

CPC (source: EP KR)

B32B 1/00 (2013.01 - KR); **C04B 11/00** (2013.01 - KR); **C04B 28/14** (2013.01 - EP KR); **C04B 2111/0062** (2013.01 - EP)

C-Set (source: EP)

C04B 28/14 + **C04B 7/02** + **C04B 12/04** + **C04B 22/10** + **C04B 22/16** + **C04B 24/226** + **C04B 24/2647** + **C04B 38/106** + **C04B 40/0028** + **C04B 2103/408**

Citation (search report)

- [X] WO 0181264 A1 20011101 - UNITED STATES GYPSUM CO [US]
- [X] WO 02083594 A1 20021024 - ARCO CHEM TECH [US]
- [X] WO 03097721 A1 20031127 - SKW POLYMERS GMBH [DE], et al

Cited by

RU2749875C2

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)

HR

DOCDB simple family (publication)

WO 2006138277 A2 20061228; **WO 2006138277 A3 20090423**; AR 053628 A1 20070509; AU 2006259585 A1 20061228; AU 2006259585 B2 20110714; CA 2607973 A1 20061228; EP 1896376 A2 20080312; EP 1896376 A4 20130102; KR 20080016960 A 20080222; NO 20075725 L 20080104

DOCDB simple family (application)

US 2006022936 W 20060613; AR P060102521 A 20060614; AU 2006259585 A 20060613; CA 2607973 A 20060613; EP 06773002 A 20060613; KR 20087001090 A 20080114; NO 20075725 A 20071109