

Title (en)

A SOLIDIFICATION AND HARDENING ACCELERATOR FOR HYDRAULIC BINDERS AND PROCESS FOR ITS PREPARATION

Title (de)

ERSTARRUNGS- UND ERHÄRTUNGSBESCHLEUNIGER FÜR HYDRAULISCHE BINDEMittel SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

ACCÉLÉRATEUR DE PRISE ET DE DURCISSEMENT POUR DES LIANTS HYDRAULIQUES ET PROCÉDÉ DE FABRICATION

Publication

EP 2121541 A1 20091125 (DE)

Application

EP 08716832 A 20080213

Priority

- EP 2008051742 W 20080213
- EP 07102295 A 20070213
- EP 08716832 A 20080213

Abstract (en)

[origin: EP1964824A1] Fluoride-free solidification and hardening accelerator comprises a sulfate, aluminum and 1-16 wt.% organic acid. The molar ratio of aluminum to sulfate is less than 0.83. Independent claims are also included for the following: (1) Mixture containing a binder and the above accelerator; and (2) Method for accelerating the solidification and hardening of hydraulic binders using the accelerator.

IPC 8 full level

C04B 40/00 (2006.01); **C04B 28/02** (2006.01); **C04B 103/12** (2006.01); **C04B 103/14** (2006.01)

CPC (source: EP US)

C04B 40/0039 (2013.01 - EP US); **C04B 2103/12** (2013.01 - EP US); **C04B 2103/14** (2013.01 - EP US); **C04B 2111/00146** (2013.01 - EP US); **C04B 2111/1068** (2013.01 - EP US); **Y02W 30/91** (2015.05 - EP US)

Citation (search report)

See references of WO 2008098961A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1964824 A1 20080903; AU 2008214598 A1 20080821; BR PI0807674 A2 20140520; CA 2677778 A1 20080821; CA 2677778 C 20150331; CL 2008000453 A1 20081107; CN 101605737 A 20091216; CN 101605737 B 20130417; EP 2121541 A1 20091125; JP 2010517923 A 20100527; MX 2009008651 A 20090911; US 2010018440 A1 20100128; US 8221543 B2 20120717; WO 2008098961 A1 20080821

DOCDB simple family (application)

EP 07102295 A 20070213; AU 2008214598 A 20080213; BR PI0807674 A 20080213; CA 2677778 A 20080213; CL 2008000453 A 20080213; CN 200880004729 A 20080213; EP 08716832 A 20080213; EP 2008051742 W 20080213; JP 2009549826 A 20080213; MX 2009008651 A 20080213; US 44947108 A 20080213