

Title (en)

FAST BINDER COMPOSITIONS FOR CONCRETE PARTS AND WORKS CONTAINING A CALCIUM SALT

Title (de)

SCHNELLBINDERZUSAMMENSETZUNGEN FÜR BETONTEILE UND -ARBEITEN, ENTHALTEND EIN CALCIUMSALZ

Title (fr)

COMPOSITIONS DE LIANT RAPIDE POUR PIÈCES ET OUVRAGES EN BETON CONTENANT UN SEL DE CALCIUM

Publication

EP 1893548 A2 20080305 (FR)

Application

EP 06764761 A 20060609

Priority

- FR 2006001310 W 20060609
- EP 05291257 A 20050610
- EP 06764761 A 20060609

Abstract (en)

[origin: EP1731491A1] A rapid binder comprises cement, at least one superplastifying agent, calcium nitrite and at least one formol derivative. Independent claims are also included for: (1) an accelerator comprising a superplastifying agent, calcium nitrite and a formol derivative; (2) a concrete or mortar composition incorporating the rapid binder; (3) the preparation of mortar or concrete by mixing the rapid binder and aggregate with water.

IPC 8 full level

C04B 28/04 (2006.01); **C04B 22/08** (2006.01); **C04B 24/00** (2006.01)

CPC (source: EP US)

C04B 28/04 (2013.01 - EP US); **C04B 2111/00103** (2013.01 - EP US); **C04B 2201/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2006131659A2

Citation (examination)

- US 2004211342 A1 20041028 - SPROUTS SANDRA R [US], et al
- US 5203629 A 19930420 - VALLE STEPHEN A [US], et al
- US 2003217847 A1 20031127 - REDDY B RAGHAVA [US], et al

Cited by

WO2011131904A1; WO2010095097A1; US8992680B2

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)

EP 1731491 A1 20061213; BR PI0611677 A2 20100928; CA 2609853 A1 20061214; CA 2609853 C 20111101; CN 101193832 A 20080604; CN 101193832 B 20120307; EP 1893548 A2 20080305; MA 29497 B1 20080502; RU 2007146269 A 20090720; RU 2380330 C2 20100127; UA 93988 C2 20110325; US 2008308013 A1 20081218; US 8366825 B2 20130205; WO 2006131659 A2 20061214; WO 2006131659 A3 20070201; ZA 200710438 B 20081126

DOCDB simple family (application)

EP 05291257 A 20050610; BR PI0611677 A 20060609; CA 2609853 A 20060609; CN 200680020680 A 20060609; EP 06764761 A 20060609; FR 2006001310 W 20060609; MA 30439 A 20071130; RU 2007146269 A 20060609; UA A200800327 A 20060609; US 91680806 A 20060609; ZA 200710438 A 20071203