

Title (en)

METHOD FOR MANUFACTURING A HYDRAULIC BINDER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES HYDRAULISCHEN BINDEMITELS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN LIANT HYDRAULIQUE

Publication

EP 3873866 A1 20210908 (FR)

Application

EP 19829258 A 20191030

Priority

- FR 1860094 A 20181031
- FR 2019052582 W 20191030

Abstract (en)

[origin: WO2020089564A1] The invention concerns a method for manufacturing a hydraulic binder comprising a calcium aluminate, which involves: a) providing a composition comprising a lime C source compound and an alumina source compound, the composition comprising at most 95% lime C and alumina, and at least 23% alumina, by weight relative to the total weight of dry matter of the composition; b) placing the composition provided in step a) in a moisture-saturated environment, at a hydration temperature of between 40°C and 150°C, so as to precipitate hydrated phases containing at least one aluminium oxide combined with a calcium oxide and with water; c) subjecting the precipitates obtained in step b) to a baking temperature of between 200°C and 1300°C, for at least 15 minutes.

IPC 8 full level

C04B 7/32 (2006.01)

CPC (source: EP KR US)

B01J 23/02 (2013.01 - US); **C01F 7/164** (2013.01 - US); **C04B 7/32** (2013.01 - EP KR US); **C04B 7/44** (2013.01 - US); **C04B 28/06** (2013.01 - US); **C04B 2103/0081** (2013.01 - EP KR); **C04B 2103/0087** (2013.01 - EP KR); **C04B 2103/54** (2013.01 - EP KR); **C04B 2111/00637** (2013.01 - EP KR); **C04B 2111/00767** (2013.01 - EP KR); **C04B 2111/0081** (2013.01 - US); **C04B 2111/0087** (2013.01 - US); **C04B 2111/60** (2013.01 - EP KR); **C04B 2111/70** (2013.01 - EP KR); **C04B 2111/72** (2013.01 - EP KR); **Y02W 30/91** (2015.05 - EP KR)

Citation (search report)

See references of WO 2020089564A1

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)

FR 3087769 A1 20200501; **FR 3087769 B1 20220506**; BR 112021008275 A2 20210803; CN 113316562 A 20210827; CN 113316562 B 20230502; EP 3873866 A1 20210908; JP 2022510503 A 20220126; KR 20210092729 A 20210726; US 2022017414 A1 20220120; WO 2020089564 A1 20200507; ZA 202102822 B 20220727

DOCDB simple family (application)

FR 1860094 A 20181031; BR 112021008275 A 20191030; CN 201980072622 A 20191030; EP 19829258 A 20191030; FR 2019052582 W 20191030; JP 2021547953 A 20191030; KR 20217013213 A 20191030; US 201917290215 A 20191030; ZA 202102822 A 20210428