Title (en)

HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG

Title (de)

HYDRAULISCHE BINDEMITTELZUSAMMENSETZUNG MIT HOCHOFENSCHLACKE

Title (fr)

COMPOSITION DE LIANT HYDRAULIQUE DE LAITIERS DE HAUTS FOURNEAUX

Publication

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Application

EP 22702437 A 20220125

Priority

- FR 2100670 A 20210125
- EP 2022051622 W 20220125

Abstract (en)

[origin: WO2022157386A1] The present invention relates to a hydraulic binder composition comprising: - a hydraulic binder comprising at least one alumino-silicate compound, for example blast furnace slag, and an alkaline or sulfate activator and a maximum of 10 wt% of clinker, preferably between 0 and 10 wt% of clinker; - a guanidine salt and/or a zinc salt; - a polymer (P) comprising units of formulae (I) and (II).

IPC 8 full level

C04B 28/08 (2006.01); **C04B 28/26** (2006.01); **C04B 40/00** (2006.01); C04B 103/30 (2006.01); C04B 111/10 (2006.01)

CPC (source: EP US)

C04B 24/26 (2013.01 - US); **C04B 28/08** (2013.01 - EP US); **C04B 28/26** (2013.01 - EP US); **C04B 40/0039** (2013.01 - EP US); C04B 2103/308 (2013.01 - EP US); C04B 2111/1037 (2013.01 - EP US); Y02P 40/10 (2015.11 - EP); Y02W 30/91 (2015.05 - EP)

C-Set (source: EP)

1. **C04B 28/08** + **C04B 7/02** + **C04B 22/085** + **C04B 22/124** + **C04B 24/04** + **C04B 24/12** + **C04B 24/246** + **C04B 24/2647**
2. **C04B 40/0039** + **C04B 22/124** + **C04B 24/12**
3. **C04B 28/08** + **C04B 12/04** + **C04B 22/085** + **C04B 22/124** + **C04B 24/04** + **C04B 24/12** + **C04B 24/246** + **C04B 24/2647**
4. **C04B 28/26** + **C04B 18/141** + **C04B 22/085** + **C04B 22/124** + **C04B 24/04** + **C04B 24/12** + **C04B 24/246** + **C04B 24/2647**

Citation (search report)

See references of WO 2022157386A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022157386 A1 20220728; AU 2022209984 A1 20230810; CA 3206266 A1 20220728; CN 116867751 A 20231010; EP 4281426 A1 20231129; FR 3119166 A1 20220729; FR 3119166 B1 20240517; MX 2023008666 A 20231004; US 2024092695 A1 20240321; ZA 202307374 B 20240228

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EP 2022051622 W 20220125; AU 2022209984 A 20220125; CA 3206266 A 20220125; CN 202280011676 A 20220125; EP 22702437 A 20220125; FR 2100670 A 20210125; MX 2023008666 A 20220125; US 202218262665 A 20220125; ZA 202307374 A 20230725