

Title (en)

ACCELERATOR POWDER AND QUICK-SETTING BINDER COMPOSITION

Title (de)

BESCHLEUNIGERPULVER UND SCHNELL ABBINDENDE BINDEMittelZUSAMMENSETZUNG

Title (fr)

ACCÉLÉRATEUR EN POUDRE ET COMPOSITION LIANTE À PRISE RAPIDE

Publication

EP 3601194 A1 20200205 (DE)

Application

EP 19700747 A 20190122

Priority

- EP 18153321 A 20180124
- EP 2019051414 W 20190122

Abstract (en)

[origin: WO2019145267A1] The invention relates to an accelerator powder for cement, and quick-setting binder compositions that contain the accelerator powder and the use thereof in mortar or concrete. The accelerator powder comprises 10 to 99.7 wt% of a water-insoluble mineral powder P and 0.3 to 90 wt% of at least one compound V, selected from the group consisting of alkali and alkaline-earth halides, alkali and alkaline-earth nitrates, alkali and alkaline-earth nitrites, alkali and alkaline-earth thiocyanates and hydroxyalkylamines or salts thereof, and mixtures thereof.

IPC 8 full level

C04B 40/00 (2006.01); **C04B 28/04** (2006.01); **C04B 103/10** (2006.01)

CPC (source: EP KR US)

C04B 14/06 (2013.01 - KR); **C04B 14/28** (2013.01 - KR); **C04B 22/008** (2013.01 - KR); **C04B 22/06** (2013.01 - US);
C04B 22/085 (2013.01 - KR US); **C04B 22/10** (2013.01 - US); **C04B 22/12** (2013.01 - KR); **C04B 22/122** (2013.01 - KR);
C04B 22/16 (2013.01 - KR); **C04B 24/06** (2013.01 - KR); **C04B 24/122** (2013.01 - US); **C04B 24/16** (2013.01 - US); **C04B 24/2647** (2013.01 - KR);
C04B 28/04 (2013.01 - EP KR US); **C04B 40/0042** (2013.01 - EP KR US); **C04B 2103/10** (2013.01 - EP); **C04B 2103/12** (2013.01 - US);
C04B 2103/20 (2013.01 - US); **C04B 2103/22** (2013.01 - KR); **C04B 2103/30** (2013.01 - US); **Y02W 30/91** (2015.05 - EP)

C-Set (source: EP)

1. **C04B 40/0042 + C04B 14/26 + C04B 22/008 + C04B 22/085 + C04B 22/12 + C04B 22/122 + C04B 22/16**
2. **C04B 40/0042 + C04B 14/106 + C04B 22/008 + C04B 22/085 + C04B 22/12 + C04B 22/122 + C04B 22/16**
3. **C04B 40/0042 + C04B 14/06 + C04B 22/008 + C04B 22/085 + C04B 22/12 + C04B 22/122 + C04B 22/16**
4. **C04B 28/04 + C04B 14/06 + C04B 14/28 + C04B 22/008 + C04B 22/122 + C04B 24/06 + C04B 24/2647**
5. **C04B 40/0042 + C04B 14/28 + C04B 22/008 + C04B 22/085 + C04B 22/12 + C04B 22/122 + C04B 22/16 + C04B 24/2647 + C04B 2103/22**

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)

WO 2019145267 A1 20190801; AU 2019212107 A1 20200723; BR 112020014756 A2 20201208; CN 111630021 A 20200904;
EP 3601194 A1 20200205; KR 20200113210 A 20201006; SG 11202006761R A 20200828; US 11565978 B2 20230131;
US 11780783 B2 20231010; US 2021032170 A1 20210204; US 2022332653 A1 20221020

DOCDB simple family (application)

EP 2019051414 W 20190122; AU 2019212107 A 20190122; BR 112020014756 A 20190122; CN 201980009717 A 20190122;
EP 19700747 A 20190122; KR 20207022020 A 20190122; SG 11202006761R A 20190122; US 201916964879 A 20190122;
US 202217838730 A 20220613