

Title (en)

VERSATILE METHOD FOR PREPARING CARBONATABLE CLINKER MATERIALS

Title (de)

VIELSEITIGES VERFAHREN ZUR HERSTELLUNG VON CARBONISIERBAREN KLINKERMATERIALIEN

Title (fr)

PROCÉDÉ POLYVALENT POUR LA PRÉPARATION DE MATÉRIAUX DE CLINKER POUVANT ÊTRE CARBONATÉS

Publication

EP 3898549 A1 20211027 (EN)

Application

EP 19824358 A 20191220

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- EP 2019086860 W 20191220

Abstract (en)

[origin: EP3670467A1] The invention concerns a carbonatable clinker material comprising at least 60 wt.% of amorphous phase, advantageously at least 80 wt.% of amorphous phase, more advantageously at least 99 wt.% of amorphous phase, more advantageously 100 wt.% of amorphous phase, compared to the total weight of the carbonatable clinker material, wherein said material has the following oxide composition:- calcium oxide, magnesium oxide, sodium oxide, potassium oxide and silicon dioxide are present in molar amounts such that $(\text{CaO} + \text{MgO} + \text{Na}_{2\text{O}} + \text{K}_{2\text{O}})/\text{SiO}_{2}$ ranges between 0.7 and 1.8, preferentially from 0.9 to 1.6;- total soluble alkali ranges between 0.01 and 0.06 wt.% of the amount of carbonatable clinker material.

IPC 8 full level

C04B 7/26 (2006.01); **C04B 7/345** (2006.01); **C04B 7/43** (2006.01); **C04B 7/47** (2006.01)

CPC (source: EP)

C04B 7/26 (2013.01); **C04B 7/345** (2013.01); **C04B 7/43** (2013.01); **C04B 7/47** (2013.01); **C04B 20/023** (2013.01); **C04B 28/04** (2013.01); **C04B 2103/0088** (2013.01); **Y02P 40/10** (2015.11); **Y02P 40/121** (2015.11); **Y02P 40/18** (2015.11); **Y02W 30/91** (2015.05)

C-Set (source: EP)

1. **C04B 28/04** + **C04B 18/141**
2. **C04B 20/023** + **C04B 18/08**
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Citation (search report)

See references of WO 2020128077A1

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