

Title (en)

NANOCLINKER POWDER WITH BELITE AND, OPTIONALLY, ALITE CRYSTALLINE PHASES

Title (de)

NANOCLINKER-PULVER MIT BELIT- UND GEGEBENENFALLS ALIT-PHASEN

Title (fr)

POUDRE DE NANOCLINKER CONTENANT DES PHASES CRISTALLINES DE BÉLITE ET, ÉVENTUELLEMENT, D'ALITE

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Application

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Abstract (en)

[origin: WO2020254840A1] The present invention relates to a nanoclinker powder having a belite (C₂S) crystalline phase as determined by powder X-ray diffraction, said nanoclinker powder having an particle size range of 2-500 nm as determined by Transmission Electron Microcopy (TEM); comprising nanobelite (C₂S) particles and comprising 0-1 wt.% of CaO and 0-25 wt.% of CaCO₃ based on the total weight of crystalline phases in the nanoclinker powder as determined by powder X-ray diffraction. The present invention further relates to a method for its preparation, its use in a cement material and its applications in, e.g., construction and building, 3D printing and orthodontics.

IPC 8 full level

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