

Title (en)

Process for increasing the heat storage capacity of calcium - silicate construction bricks and construction brick made from calcium- silicate

Title (de)

Verfahren zur Erhöhung der Wärmespeicherkapazität von Bausteinen aus einem Kalzium-Silikat-Material sowie Baustein aus einem Kalzium-Silikat-Material

Title (fr)

Procédé pour augmenter la capacité thermique des blocs de construction en silicate de calcizum et block de construction en silicate de calcium

Publication

EP 1752509 B8 20071003 (DE)

Application

EP 05017681 A 20050813

Priority

EP 05017681 A 20050813

Abstract (en)

[origin: EP1752509A1] Method for increasing heat accumulator capacity of building materials from calcium silicate material, preferably aerated concrete stones, comprises providing phase change material (PCM) in encapsulated form to induce phase transitions; adding one or more raw materials and/or one or more intermediate products; and followed by binding. An independent claim is included for a building material of calcium silicate material, preferably aerated concrete, containing phase change material in encapsulated form, preferably in the form of microcapsule with a diameter of 1-40 μ m, preferably 2-20 μ m.

IPC 8 full level

C09K 5/06 (2006.01); **C04B 20/00** (2006.01); **C04B 38/00** (2006.01); **C08K 7/00** (2006.01)

CPC (source: EP)

C04B 20/1033 (2013.01); **C04B 28/18** (2013.01); **C09K 5/063** (2013.01)

Cited by

CN103087681A; CN103541484A; CN101892722A; CN108863421A; WO2009059908A3; WO2011071402A1; EP2308813A1

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