

Title (en)

AUTOGENOUS SETTING OF NON-HYDRAULIC LIME MORTARS BY MEANS OF MICROBIAL CARBONATE PRODUCTION

Title (de)

AUTOGENES ABBINDEN NICHTHYDRAULISCHER KALKMÖRTEL MITTELS MIKROBIELLER CARBONATPRODUKTION

Title (fr)

RÉGLAGE AUTOGÈNE DE MORTIERS DE CHAUX NON HYDRAULIQUES PAR PRODUCTION DE CARBONATE MICROBIEN

Publication

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Application

**EP 10730732 A 20100511**

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- GB 0908268 A 20090513

Abstract (en)

[origin: WO2010130712A1] The present invention relates to the usage of micro-organisms to accelerate carbonation and to increase the compressive strength of non-hydraulic lime mortars. The micro-organisms of the present invention metabolize nutrients within the mortars in order to produce CO<sub>2</sub> which results in accelerated CaCO<sub>3</sub> formation and hence increased strength of the mortar. The invention further encompasses non-hydraulic lime mortars comprising micro-organisms and relates to a process to fabricate such lime mortars.

IPC 8 full level

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Citation (search report)

See references of WO 2010130712A1

Cited by

US11795108B2; US11518687B2; US10450695B2; US10626547B2; US10717674B2; US11472738B2; US9428418B2; US9796626B2

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