

Title (en)

Vibration device and method for the treatment of a curable mixture

Title (de)

Vibrationsvorrichtung und -verfahren zur Verarbeitung einer härtbaren Mischung

Title (fr)

Dispositif et procédé de vibration pour le traitement d'un mélange durcissable

Publication

EP 2626145 A1 20130814 (FR)

Application

EP 13154776 A 20130211

Priority

FR 1251234 A 20120209

Abstract (en)

The device (100) has a vibration generator (10), and a transmission element i.e. rigid mold (20) including a mold to contain a curable mixture. The generator has a loud speaker (12). A coupling unit has a fluid i.e. air, between the loud speaker and the element. The coupling unit has an elastic or viscoelastic support unit placed on the vibration generator, where the element is mounted on the support unit. The support unit has a viscoelastic layer material layer extending according to a closed contour, so that the vibration generator, the element and the layer delimit a closed enclosure. Independent claims are also included for the following: (1) a method for vibrating a curable mixture e.g. mortar or concrete, for treatment of the curable mixture (2) a method for manufacturing an element molded in cured mixture.

Abstract (fr)

L'invention concerne un dispositif de vibration (100) pour le traitement d'un mélange durcissable, notamment d'un mortier ou d'un béton (30), comportant au moins un générateur de vibrations (10) comprenant un générateur d'ondes acoustiques (12) et un élément de transmission (20) incluant un moule adapté à contenir le mélange à traiter (30). Le dispositif de vibration (100) comprend en outre des moyens de couplage incluant un fluide, notamment l'air, entre le générateur d'ondes acoustiques (12) et l'élément de transmission (20). L'invention concerne également un procédé de traitement par vibration d'un mélange durcissable, notamment d'un mortier ou d'un béton.

IPC 8 full level

B06B 3/00 (2006.01); **B28B 1/087** (2006.01)

CPC (source: EP)

B06B 3/00 (2013.01); **B28B 1/0873** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2626145 A1 20130814; **EP 2626145 B1 20151125**; DK 2626145 T3 20160229; ES 2562754 T3 20160308; FR 2986723 A1 20130816; FR 2986723 B1 20150417; HU E026427 T2 20160530; PL 2626145 T3 20160531

DOCDB simple family (application)

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