

Title (en)
CONCRETE BLOCK FINISHER, HAVING HARMONIC VIBRATION BY MEANS OF SHAPE EXCITATION AND METHOD FOR SHAPING AND COMPACTING CONCRETE MIXTURES

Title (de)
BETONSTEINFERTIGER MIT HARMONISCHER VIBRATION DURCH FORMERREGUNG, SOWIE VERFAHREN ZUR FORMGEBUNG UND VERDICHUNG VON BETONGEMENGEN

Title (fr)
DISPOSITIF DE FABRICATION DE PARPAINGS EN BÉTON À VIBRATIONS HARMONIQUES PAR EXCITATION DU MOULE ET PROCÉDÉ DE MISE EN FORME ET COMPACTAGE DE MÉLANGES DE BÉTON

Publication
EP 2257415 A2 20101208 (DE)

Application
EP 09715186 A 20090225

Priority
• EP 2009001317 W 20090225
• DE 102008011272 A 20080226

Abstract (en)
[origin: WO2009106297A2] The invention relates to a device for the shape-forming of mixtures, preferably of concrete mixtures, for the production of concrete blocks and concrete products by means of shape-forming and compaction under the action of harmonic oscillations, comprising a mold having a vibration frame (5) and a mold insert (4) for accommodating the mixture (17) to be compacted, a vibration system (11) engaging therein, vibration frame springs (6) for the oscillating support of the mold with the vibration system (11) attached thereto, a base board (7) for accommodating the products to be produced, a board lift assembly having board lifting cylinders (10) and a board stroke (8), board springs (9) for the feeding and movable support of the base plate (7) on the bottom of the mold during the vibration action, a load assembly having a load (2) for the shape-forming of the surface of the product to be produced, a load spring (3) for the movable support of the load (2) during the vibration action, and a load stroke for carrying out feeding and mold removal movements. The shape-forming component of the oscillating connection is the mold insert (4), which is configured as a separable assembly such that easy retrofitting is possible during a product changeover. The manufacture of the products is carried out on the base boards (7) known from prior art such that the device described can be integrated into known manufacturing devices.

IPC 8 full level
B28B 1/087 (2006.01); **B28B 3/02** (2006.01); **B28B 3/06** (2006.01); **B30B 11/02** (2006.01)

CPC (source: EP)
B28B 1/087 (2013.01); **B28B 3/022** (2013.01); **B28B 3/06** (2013.01); **B30B 11/022** (2013.01)

Citation (search report)
See references of WO 2009106297A2

Cited by
CN103341903A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008011272 A1 20090827; DK 2257415 T3 20130701; EP 2257415 A2 20101208; EP 2257415 B1 20130410; PL 2257415 T3 20130930; WO 2009106297 A2 20090903; WO 2009106297 A3 20091105

DOCDB simple family (application)
DE 102008011272 A 20080226; DK 09715186 T 20090225; EP 09715186 A 20090225; EP 2009001317 W 20090225; PL 09715186 T 20090225