

Title (en)

FILLING DEVICE FOR FILLING MOULDS WITH POURABLE MOULDING MATERIAL

Title (de)

BEFÜLLUNGSEINRICHTUNG ZUM BEFÜLLEN VON FORMWERKZEUGEN MIT SCHÜTTFÄHIGEM FORMMATERIAL

Title (fr)

DISPOSITIF DE REMPLISSAGE DESTINÉ À REMPLIR DES OUTILS DE MOULAGE D'UN MATÉRIAU DE MOULAGE VERSABLE

Publication

**EP 2173542 B1 20150617 (DE)**

Application

**EP 07856925 A 20071219**

Priority

- EP 2007011202 W 20071219
- DE 102007031442 A 20070705

Abstract (en)

[origin: WO2009003507A1] The invention relates to a filling device for filling moulds, in particular of block forming machines or block presses, with a pourable moulding material, comprising a) a filling box (3) for receiving and/or transporting the moulding material (M), b) a filling carriage (2), on or in which the filling box is flexibly mounted by means of at least one spring element (5, 6, 7), c) at least one oscillating drive (60 to 68), which is arranged or fastened on or in the filling carriage and is connected to the filling box (3) to drive the filling box in an oscillating movement, d) at least one traversing drive (20, 21, 40, 41, 50, 51) for making the filling carriage traverse with the filling box between at least one filling position for filling at least one mould with moulding material from the filling box and a charging position for charging the filling box with fresh moulding material.

IPC 8 full level

**B28B 13/02** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP)

**B28B 13/023** (2013.01); **B28B 13/025** (2013.01); **B30B 15/304** (2013.01)

Citation (examination)

US 6474371 B1 20021105 - OGAWA ATSUSHI [JP], et al

Cited by

CN108908653A; CN103660008A; ES2718257A1; CN110405909A; CN111231086A; WO2019129906A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009003507 A1 20090108**; CN 101715389 A 20100526; CN 201300479 Y 20090902; EP 2173542 A1 20100414; EP 2173542 B1 20150617; RU 2009145950 A 20110820; RU 2468913 C2 20121210

DOCDB simple family (application)

**EP 2007011202 W 20071219**; CN 200780053480 A 20071219; CN 200820106950 U 20080410; EP 07856925 A 20071219; RU 2009145950 A 20071219