

Title (en)
APPARATUS FOR MAKING MOULDED ARTICLES OF CONCRETE OR THE LIKE

Publication
EP 0118872 A3 19860102 (DE)

Application
EP 84102419 A 19840307

Priority
DE 8307078 U 19830311

Abstract (en)
[origin: US4545754A] An apparatus for producing moldings (48) from concrete et cetera, particularly concrete paving stones, the top side of which exhibits partial surfaces of different vertical level, comprises a molding table (46), a molding frame (30, 31) and a stamp fitting in the latter. For better consolidation and in order to facilitate clean removal from the mold, it is provided that the stamp consists of two separate partial stamps (33, 42) guided in each other, the end cross-sectional surfaces of which are dimensioned so that the one (33) molds the lower-lying and the other (42) the higher-lying top partial surfaces of the molding (48) and that the stroke distance of the partial stamp (42) for the higher-lying partial surfaces is limited in an upper consolidation position, in which both partial stamps conjointly reproduce the top side of the molding, and in a lower mold-removal position, by stops. The partial stamp (33) for the lower-lying partial surfaces preferably consists of a ring surrounding the other partial stamp (42). This ring may be connected by guide bolts (35) to a first superimposed load (36), whereas the inner partial stamp (42) supports a second superimposed load in the form of a guide plate (44). For use in multi-layer production machines it is provided to lock the two partial stamps (33 and 42) intermittently together, particularly by means of locking elements (38) which engage automatically and can be disengaged by control lugs (32) of the molding frame (30).

IPC 1-7
B28B 1/10; **B28B 3/08**

IPC 8 full level
B28B 1/10 (2006.01); **B28B 3/06** (2006.01); **B28B 3/08** (2006.01); **B28B 7/00** (2006.01); **B28B 7/10** (2006.01)

CPC (source: EP US)
B28B 3/06 (2013.01 - EP US); **B28B 3/083** (2013.01 - EP US); **B28B 7/0064** (2013.01 - EP US); **B28B 7/10** (2013.01 - EP US)

Citation (search report)
• [Y] US 1807661 A 19310602
• [Y] US 1630436 A 19270531 - KING HOWARD K
• [A] US 2870512 A 19590127 - MARTIN BRANHAM
• [A] US 2875499 A 19590303 - ROSS CHARLES R
• [A] DE 175189 C
• [A] US 4168140 A 19790918 - FONTANA JOHN D, et al
• [A] DE 139820 C
• [A] DE 2234810 A1 19740124 - DICHTL PETER PAUL
• [A] EP 0060961 A1 19820929 - SCHEIWILLER ROLF
• [A] DE 2329150 A1 19750102 - MEIJDEN ANTONIUS JOHANNES VAN

Cited by
DE29714044U1; CN110757623A; US6093012A; EP1568455A3; DE4212702A1; EP3000571A1; DE19537077A1; US5612065A; EP0693351A1; EP0719622A1; DE10326126A1; DE102005058403A1; EP0408447A1; DE102005058403B4; WO2008055504A1; WO2007065526A1; WO8701984A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0118872 A2 19840919; **EP 0118872 A3 19860102**; **EP 0118872 B1 19880817**; AT E36483 T1 19880915; CA 1246327 A 19881213; DE 3473424 D1 19880922; DE 8307078 U1 19840322; US 4545754 A 19851008

DOCDB simple family (application)
EP 84102419 A 19840307; AT 84102419 T 19840307; CA 449377 A 19840312; DE 3473424 T 19840307; DE 8307078 U 19830311; US 58864184 A 19840308