

Title (en)

Method and device for loading material into a mold for pressing ceramic articles

Title (de)

Verfahren und Vorrichtung zum Füllen einer Form zur Herstellung von keramischen Gegenständen

Title (fr)

Procédé et dispositif d'alimentation d'un moule utilisé pour le pressage d'objets en céramique

Publication

EP 1226912 A3 20030702 (EN)

Application

EP 02001018 A 20020117

Priority

IT MO20010007 A 20010124

Abstract (en)

[origin: EP1226912A2] A device for loading material into a mold for pressing ceramic articles comprises a frame (T) supporting a carriage (3) with at least one tray (4) supported thereon and at least one motorized conveyor belt (6) arranged in front of the tray (4), the carriage being slideable with reciprocating rectilinear motion between a feeder station (13, 17) for feeding material into the tray (4) and onto the upper portion of the belt (6), and a loading station for loading the mold (7) with superimposed layers of the material (M, N) contained in the tray (4) and deposited on the upper portion. The mold loading method comprises depositing the material into the containment tray and on the upper portion of at least one motorized conveyor belt arranged in front of the tray; causing the simultaneous advancement of the tray and of the belt, which is kept stationary, above the mold, moving the tray so that it lies above the molding chambers of the mold and fills them by gravity, forming a first layer of material; simultaneously retracting the tray and the stationary belt, placing the belt at the downstream edge of the chambers; and causing the further retraction of the tray and of the belt, actuated so as to move, in order to release the material deposited on its upper portion into the chambers, so as to form a second layer which is superimposed on the first layer. <IMAGE>

IPC 1-7

B28B 13/02

IPC 8 full level

B28B 13/02 (2006.01); **B28B 3/06** (2006.01)

CPC (source: EP)

B28B 13/022 (2013.01); **B28B 13/023** (2013.01); **B28B 13/027** (2013.01); **B28B 3/06** (2013.01)

Citation (search report)

- [XY] EP 0941826 A2 19990915 - LB OFFICINE MECCANICHE SPA [IT]
- [PX] EP 1097911 A2 20010509 - LO SCALINO S R L [IT]
- [YA] EP 1043134 A2 20001011 - MARAZZI GRUPPO CERAMICHE S P A [IT]
- [Y] EP 1043133 A2 20001011 - MARTINELLI ETTORE SRL [IT]
- [Y] DE 2525085 A1 19751218 - SACMI

Cited by

ITMI20131429A1; EP1905563A3

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