

Title (en)  
Method and device for loading ceramic press moulds

Title (de)  
Verfahren und Vorrichtung zum Füllen der Pressformen mit Keramik

Title (fr)  
Procédé et dispositif pour le remplissage des moules d'une presse avec de la céramique

Publication  
**EP 0922549 A1 19990616 (EN)**

Application  
**EP 98203760 A 19981106**

Priority  
IT RE970098 A 19971211

Abstract (en)  
Method for loading powder into ceramic tile forming cavities (2) comprises the following operations: preparing on a surface (21) at least one layer of atomized powder; pressing said at least one layer; covering said at least one pressed layer with a possible further at least one layer of atomized powder; transferring said material layers in succession into a loading hopper (11) of a loading carriage (4); transferring material layers from said hopper (11) to the mould forming cavities (2). Device for loading powder into ceramic tile forming cavities (2) comprises a loading carriage (4) which is provided with at least one loading compartment (7) occupied by a grid (70) and having plan dimensions equal to the dimensions of the mould cavity (2) and which moves between two positions, in one of which the compartment (7) lies above the mould cavity (2) and in the other of which the compartment (7) lies below a loading hopper (11), and comprises a structure (12) driven with reciprocating movement between a position lying above the loading hopper (11) and a position distant therefrom, and on which there are located a motorized belt (21) with a flat portion, at least one service hopper (15) above the upper branch of the belt (21) and having its mouth transverse to the belt (21) and closed by a shutter (28), and a roller (40) pressing elastically on the upper side of the belt (21) and positioned downstream of said at least one service hopper (15) with reference to the direction of advancement of the belt (21), and acting against an underlying counteracting roller (41). <IMAGE>

IPC 1-7  
**B28B 13/02**

IPC 8 full level  
**B28B 13/02** (2006.01)

CPC (source: EP)  
**B28B 13/022** (2013.01)

Citation (search report)  
• [AP] EP 0822044 A1 19980204 - CERAMICHE DUAL S R L [IT], et al  
• [A] FR 2089267 A5 19720107 - LAEIS WERKE AG

Cited by  
CN105082339A; CN111376384A; CN103722616A; US2021069933A1; US11639013B2; CN103481358A; CN107322778A

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT

DOCDB simple family (publication)  
**EP 0922549 A1 19990616; EP 0922549 B1 20030226**; AT E233154 T1 20030315; DE 69811617 D1 20030403; DE 69811617 T2 20031224; ES 2189086 T3 20030701; IT 1298003 B1 19991220; IT RE970098 A0 19971211; IT RE970098 A1 19990611

DOCDB simple family (application)  
**EP 98203760 A 19981106**; AT 98203760 T 19981106; DE 69811617 T 19981106; ES 98203760 T 19981106; IT RE970098 A 19971211