



(19)

Europäisches Patentamt

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(11)

EP 1 358 983 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.04.2005 Bulletin 2005/15

(51) Int Cl. 7: B28B 13/02

(43) Date of publication A2:
05.11.2003 Bulletin 2003/45

(21) Application number: **03425254.4**

(22) Date of filing: **24.04.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL IT LV MK

(30) Priority: 29.04.2002 IT FI20020071

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(54) **Device for loading moulds in a press to produce tiles and method of loading**

(57) The device comprises: a carriage (17) equipped with an alternate loading movement along a sliding surface (19); on said carriage, a main grid (23) which receives a base powder material from a first loading means (33) and transfers said base powder material to a cavity of said mould; on said carriage, in front of the main grid, an auxiliary tray (29) for loading an additional

powder material, such as a coloured enamel or the like. The auxiliary tray is at a distance from the main grid, in the direction of movement of the carriage, notwithstanding the dimension that the mould cavity has in said direction and preferably less than this. Moreover, the auxiliary tray has a bottom closing component controlled in synchronism with the movement of the carriage in relation to said mould.

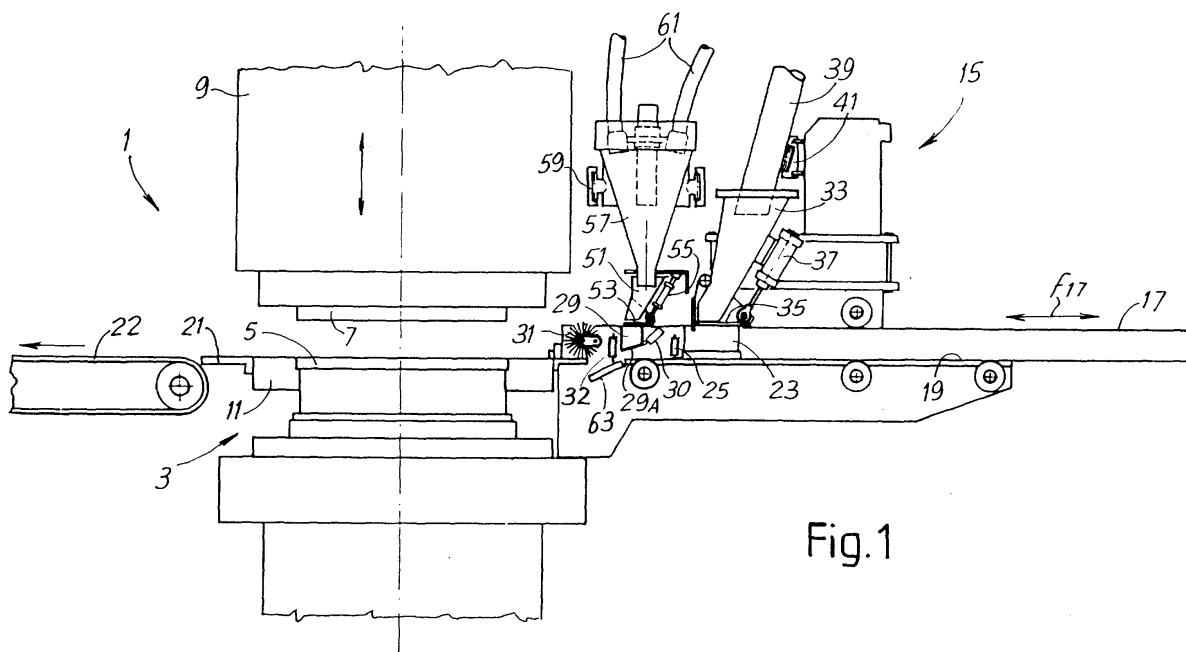


Fig. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)						
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
D, X	EP 0 941 826 A (L.B. OFFICINE MECCANICHE S.P.A) 15 September 1999 (1999-09-15)	1	B28B13/02						
Y	* column 2, line 40 - column 3, line 4; figure 1 *	6							
	* column 4, line 26 - line 34 *								
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) & JP 08 207037 A (INAX CORP), 13 August 1996 (1996-08-13) * abstract *	1,5,7-9							
X	IT 1 214 093 B (MASS SPA) 10 January 1990 (1990-01-10)	1,2,5							
A	* page 8, last paragraph - page 13, paragraph 2; figures 1,2 *	3,4,7-9							
Y	EP 1 074 361 A (L.B. OFFICINE MECCANICHE S.P.A) 7 February 2001 (2001-02-07) * column 3, line 47 - column 4, line 6; claim 1; figures 1,1a,1b *	6	TECHNICAL FIELDS SEARCHED (Int.Cl.7)						
	* column 5, line 44 - column 6, line 5 *								
			B28B B30B						
<p>2 The present search report has been drawn up for all claims</p> <table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>The Hague</td> <td>21 February 2005</td> <td>Orij, J</td> </tr> </table> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>				Place of search	Date of completion of the search	Examiner	The Hague	21 February 2005	Orij, J
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The Hague	21 February 2005	Orij, J							

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 42 5254

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-02-2005

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0941826	A	15-09-1999	IT AT DE EP	RE980025 A1 276858 T 69920303 D1 0941826 A2	10-09-1999 15-10-2004 28-10-2004 15-09-1999	
JP 08207037	A	13-08-1996		NONE		
IT 1214093	B	10-01-1990		NONE		
EP 1074361	A	07-02-2001	IT EP	RE990082 A1 1074361 A2	02-02-2001 07-02-2001	