



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 433 580 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.10.2005 Bulletin 2005/41

(51) Int Cl.7: **B28B 3/02**, B28B 5/02,
B28B 13/02, B28B 11/16

(43) Date of publication A2:
30.06.2004 Bulletin 2004/27

(21) Application number: **03077768.4**

(22) Date of filing: **04.09.2003**

(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 LT LV MK

(72) Inventor: **Xu, Jian**
Fo San City Guangdong Province 528031 (CN)

(74) Representative: **Plougmann & Vingtoft A/S**
Sundkrogsgade 9,
P.O. Box 831
2100 Copenhagen O (DK)

(30) Priority: **26.12.2002 CN 02149746**

(71) Applicant: **Foshanlinghai Ceramic SCI & TECH
Co. Ltd.**
Three Mark 2706 (CN)

(54) **Method and apparatus for producing ceramic products**

(57) The present invention relates to a device for shaping ceramic bricks and a method for the same. The device includes a delivering apparatus for dispensing material to a conveyor belt. Moreover, the device further comprises a pressing machine including an upper punch, a lower punch and a base. The belt is positioned between the upper punch and the lower punch of the pressing machine. Moreover, the device further includes a sliding die frame positionable between said upper punch and said lower punch. The die frame is fabricated from a rigid material and is susceptible to being retracted together with the punches. The device for shaping ceramic bricks and the method of the same according to the present invention is capable of addressing a problem of providing various desired brick thicknesses which is not addressed by corresponding convention shaping devices. Simultaneously, the method of shaping ceramic bricks according to the present invention is also capable of providing various methods of decorating ceramic bricks.

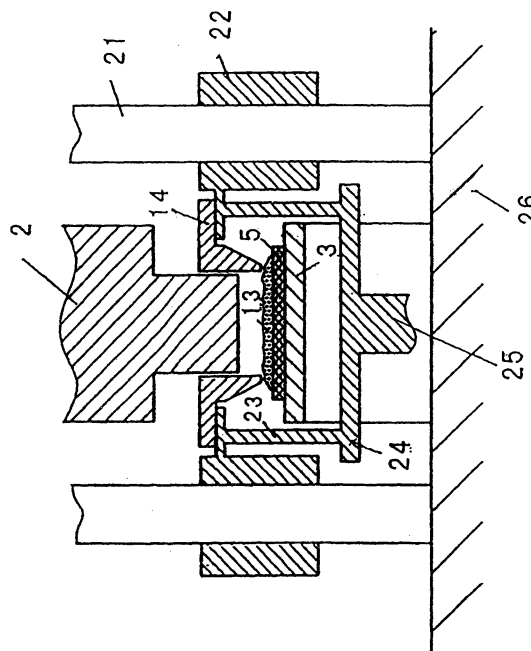


Fig. 7



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 07 7768

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 96/15888 A (CAMORANI, CARLO, ANTONIO; ALGERI, MARIS) 30 May 1996 (1996-05-30) * page 10, line 21 - line 25; figures 1-5,13,24-26,29,32,33,37,38 * * page 17, line 11 - line 21 *	1,9	B28B3/02 B28B5/02 B28B13/02 B28B11/16
A	EP 1 250 990 A (GHI.TECH. S.R.L) 23 October 2002 (2002-10-23) * claims 1-8; figures 1-8 *	1,9	
A	EP 0 995 562 A (RONFLETTE S.A) 26 April 2000 (2000-04-26) * paragraph [0021]; figure 5 *	1,9	
A	US 4 168 140 A (FONTANA ET AL) 18 September 1979 (1979-09-18) * claim 1; figure 4 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B28B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		19 August 2005	Boone, J
CATEGORY OF CITED DOCUMENTS 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 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			

2
EPO FORM 1503 03.82 (P04C01)

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

EP 03 07 7768

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.

19-08-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
W0 9615888	A	30-05-1996	IT M0940159 A1	22-05-1996
			AU 4174396 A	17-06-1996
			BR 9509806 A	21-10-1997
			CN 1173154 A ,C	11-02-1998
			DE 69529997 D1	24-04-2003
			W0 9615888 A1	30-05-1996
			EP 0793565 A1	10-09-1997

EP 1250990	A	23-10-2002	IT M020010071 A1	21-10-2002
			EP 1250990 A2	23-10-2002

EP 0995562	A	26-04-2000	EP 0995562 A1	26-04-2000

US 4168140	A	18-09-1979	NONE	
