



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 132 185 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**23.10.2002 Bulletin 2002/43**

(51) Int Cl.7: **B28B 7/00**, B28B 7/06,  
B30B 15/06, B28B 3/00

(43) Date of publication A2:  
**12.09.2001 Bulletin 2001/37**

(21) Application number: **01104570.5**

(22) Date of filing: **05.03.2001**

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

(72) Inventor: **Bagni, Franco**  
**41041 Baggiovara (Modena) (IT)**

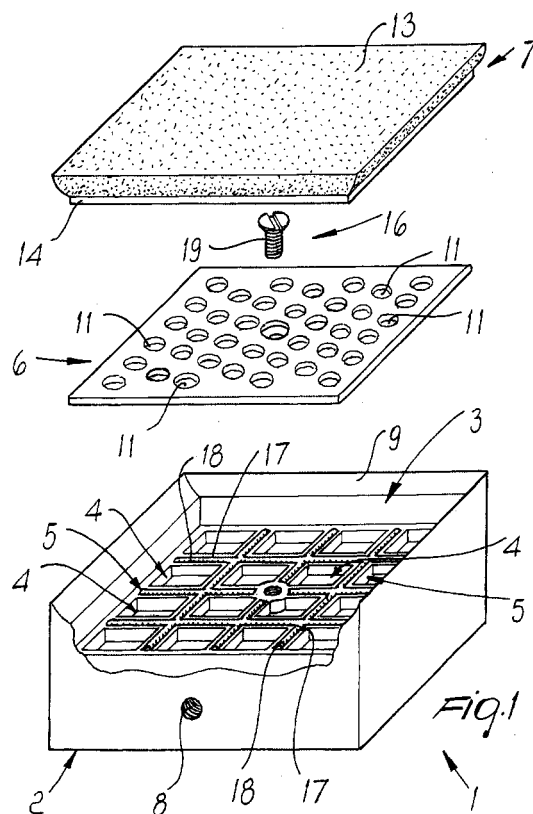
(74) Representative: **Modiano, Guido, Dr.-Ing. et al**  
**Modiano Gardi Patents,**  
**Via Meravigli, 16**  
**20123 Milano (IT)**

(30) Priority: **07.03.2000 IT MO000035**

(71) Applicant: **Bagni, Franco**  
**41041 Baggiovara (Modena) (IT)**

(54) **Mold part for pressing ceramic items**

(57) An improved mold part for pressing ceramic items comprises: a concave rigid support (2), which forms a cavity (3) open in an upward region; a plurality of open cells (4), which are formed proximate to the bottom of the cavity (3); a perforated plate (6), which can be inserted in the cavity (3) so as to rest on the surface formed by the cells (4); a membrane (7) for closing the cavity (3) in an upward region, which is made of a material of the elastically deformable type and can be fixed perimetrically to the edge (9) of the support (2); and at least one hole (8), which is formed in the support (2) and is connected to the cavity (3), for feeding an incompressible fluid so as to form a continuous cushion (10) which is interposed between the perforated plate (6) and the membrane (7) and is adapted to allow uniform distribution of the pressing loads of the ceramic items.



EP 1 132 185 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 01 10 4570

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)
A	EP 0 701 889 A (ALGERI MARIS) 20 March 1996 (1996-03-20) * column 9, line 55 - column 10, line 14 * ----	1, 15, 16	B28B7/00 B28B7/06 B30B15/06 B28B3/00
A	EP 0 556 163 A (SICHENIA GRUPPO CERAMICHE S P) 18 August 1993 (1993-08-18) * the whole document * ----	1, 15, 16	
A	DE 22 04 238 A (SIEMPELKAMP GMBH & CO) 2 August 1973 (1973-08-02) * page 6, last paragraph * ----	1	
A	EP 0 392 818 A (NGK INSULATORS LTD) 17 October 1990 (1990-10-17) * page 3, line 19 - line 32 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B28B B30B
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>28 August 2002</b>	Examiner <b>Orij, J</b>
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

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

EP 01 10 4570

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.

28-08-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0701889	A	20-03-1996	IT	M0940127 A1	13-03-1996
			IT	M0940141 A1	11-04-1996
			IT	M0940175 A1	28-06-1996
			EP	0701889 A2	20-03-1996
			AT	220975 T	15-08-2002
EP 0556163	A	18-08-1993	IT	1240242 B	30-11-1993
			AT	113001 T	15-11-1994
			DE	69300014 D1	24-11-1994
			DE	69300014 T2	23-02-1995
			EP	0556163 A1	18-08-1993
			ES	2065193 T3	01-02-1995
			US	5330346 A	19-07-1994
DE 2204238	A	02-08-1973	DE	2204238 A1	02-08-1973
EP 0392818	A	17-10-1990	JP	2088894 C	02-09-1996
			JP	2273203 A	07-11-1990
			JP	8005049 B	24-01-1996
			CA	2014312 A1	14-10-1990
			DE	69006380 D1	17-03-1994
			EP	0392818 A2	17-10-1990
			US	5415828 A	16-05-1995