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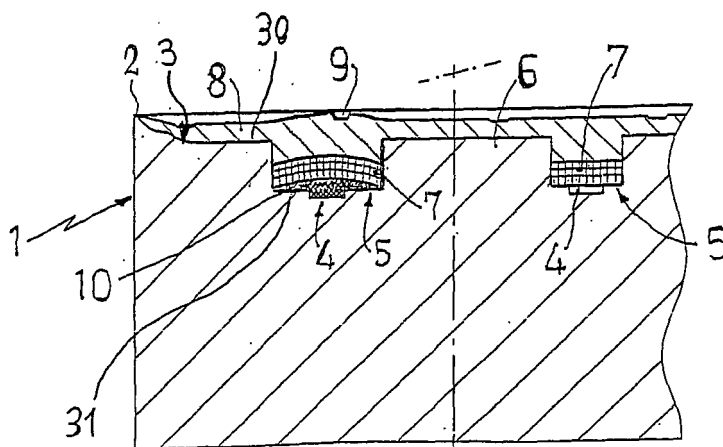
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(54) **Ceramic punch of the stamp type**

(57) Punch for moulding ceramic tiles, comprising a rigid body (1) provided with an active face (2) suitable for coining the fixing side of the tiles, a first sub-plane (30) formed on said active face (2) of the rigid body (1), a second sub-plane (31) that defines a plurality of projecting ribs (6, 60), a plurality of grooves (4) crossing over one another that cross said second sub-plane (31) forming a lattice and that define coplanar flat areas (5) around said projecting ribs (6, 60), said lattice of grooves (4)

making a labyrinth channel that contains an incompressible fluid (10), an elastically flexible perforated plate (7) rested upon said flat areas (5), the openings of which are suitable for slotting onto said projecting ribs (6, 60) with perfect fit, and an elastically deformable membrane (8) firmly fixed to said first sub-plane (30) and to said perforated plate (7), the outer face of said membrane (8) being equipped with a lattice of grooves (9) suitable for forming support feet in the tile.



**FIG. 4**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 06 07 5328

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 0 701 889 A2 (ALGERI MARIS [IT]) 20 March 1996 (1996-03-20)	1,11-13	INV. B28B3/00
Y	* column 13, line 32 - column 14, line 47; figures 20-31 *	7-10	
Y	----- EP 0 620 089 A2 (ALGERI MARIS [IT]) 19 October 1994 (1994-10-19) * column 11, lines 14-38; figures 5-7,19-23 * * column 8, lines 47-52 *	7-10	
A	----- WO 03/086722 A (MOLCER S A [ES]; FERNANDEZ VICENTE RAFAEL [ES]) 23 October 2003 (2003-10-23) * abstract; figure 1 *	1	
A	----- EP 0 759 346 A1 (CAMORANI CARLO ANTONIO [IT]; ALGERI MARIS [IT]) 26 February 1997 (1997-02-26) * abstract; figures *	1	
A	----- EP 0 659 527 A1 (MASS SPA [IT]) 28 June 1995 (1995-06-28) * abstract; figures *	1	TECHNICAL FIELDS SEARCHED (IPC)  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>30 May 2007</b>	Examiner <b>Labre, Arnaud</b>
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			

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EPO FORM 1503 03.82 (P04C01)

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

EP 06 07 5328

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  
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30-05-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0701889	A2	20-03-1996	NONE	
-----				
EP 0620089	A2	19-10-1994	AT 146115 T	15-12-1996
			DE 69401084 D1	23-01-1997
			DE 69401084 T2	10-07-1997
			ES 2097607 T3	01-04-1997
			ES 2111409 T3	01-03-1998
			ES 2112073 T3	16-03-1998
-----				
WO 03086722	A	23-10-2003	AU 2002255010 A1	27-10-2003
-----				
EP 0759346	A1	26-02-1997	NONE	
-----				
EP 0659527	A1	28-06-1995	AT 190899 T	15-04-2000
			DE 69423583 D1	27-04-2000
			DE 69423583 T2	03-08-2000
			ES 2142909 T3	01-05-2000
			IT 1262344 B	19-06-1996
-----				