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(54) **A die for forming ceramic tiles**

(57) The die comprises a top half-die (1a) and a bottom half-die (1b) which defined at least two forming cells (30 and 40). At least one of the two half-dies, for example the top half-die (1a), comprises a bearing plate (2) which exhibits at least two seatings (3, 4) at the forming cells (30, 40). Two die-bearing shoes (6, 7) are partially inserted and sealedly coupled internally of the seatings (3, 4), slidably in a parallel direction to a relative direction movement of the two half-dies (1a and 1b). Each of the two die-bearing shoes (6, 7) delimits with a relative seating (3, 4) thereof a closed chamber (10, 11). Each closed chamber (10, 11) is in reciprocal fluid communication with the other closed chamber (10, 11).

Fig. 2

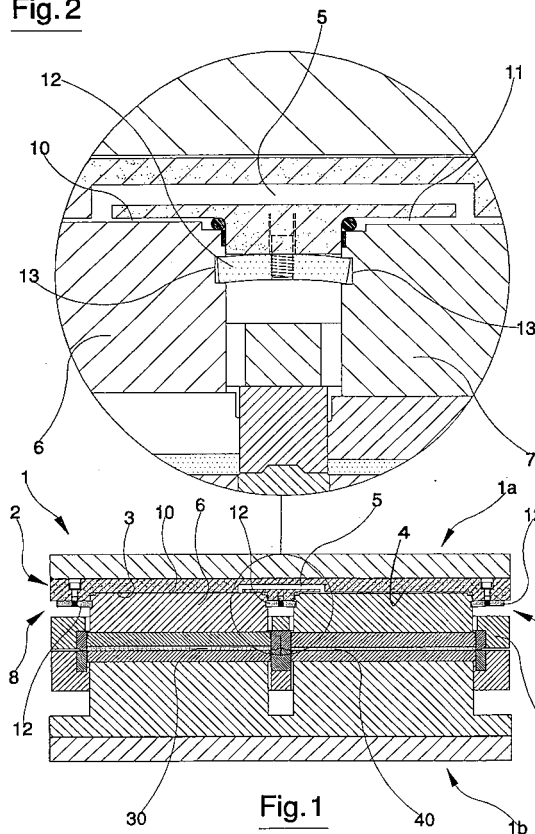


Fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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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	US 4 272 980 A (CARRIERI ET AL) 16 June 1981 (1981-06-16)	1-6	B28B3/06 B30B15/06
Y	* column 9, line 44 - line 56; figure 5 *	7,8	
X	US 3 611 517 A (JACOB GIERBERG ET AL) 12 October 1971 (1971-10-12) * column 2, line 34 - line 70; figures 1,2 *	1-6	
Y	EP 0 694 381 A (CASOLARI, FABIO) 31 January 1996 (1996-01-31) * column 2, line 14 - line 18; figure 1 *	7,8	
A	US 3 890 413 A (PETERSON ET AL) 17 June 1975 (1975-06-17) * column 3, line 57 - column 4, line 4 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B30B B28B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 17 August 2005	Examiner 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			

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

EP 03 42 5542

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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17-08-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4272980	A	16-06-1981	AU 517134 B2	09-07-1981
			AU 6047580 A	12-02-1981
			CA 1124132 A1	25-05-1982
			DE 3030050 A1	19-02-1981
			DE 8021267 U1	12-02-1981
			ES 8102709 A1	01-05-1981
			FR 2462996 A1	20-02-1981
			GB 2055664 A ,B	11-03-1981
			JP 1371336 C	07-04-1987
			JP 56074400 A	19-06-1981
			JP 61037039 B	21-08-1986

US 3611517	A	12-10-1971	DE 1759429 A1	11-11-1971
			BE 731916 A	01-10-1969
			CH 480150 A	31-10-1969
			ES 366566 A1	16-03-1971
			FR 2007265 A5	02-01-1970
			GB 1191439 A	13-05-1970
			NL 6904996 A	03-11-1969
			SE 346492 B	10-07-1972

EP 0694381	A	31-01-1996	IT RE940063 A1	29-01-1996
			EP 0694381 A1	31-01-1996
			US 5599566 A	04-02-1997

US 3890413	A	17-06-1975	CA 1056573 A1	19-06-1979
			JP 51045681 A	19-04-1976
