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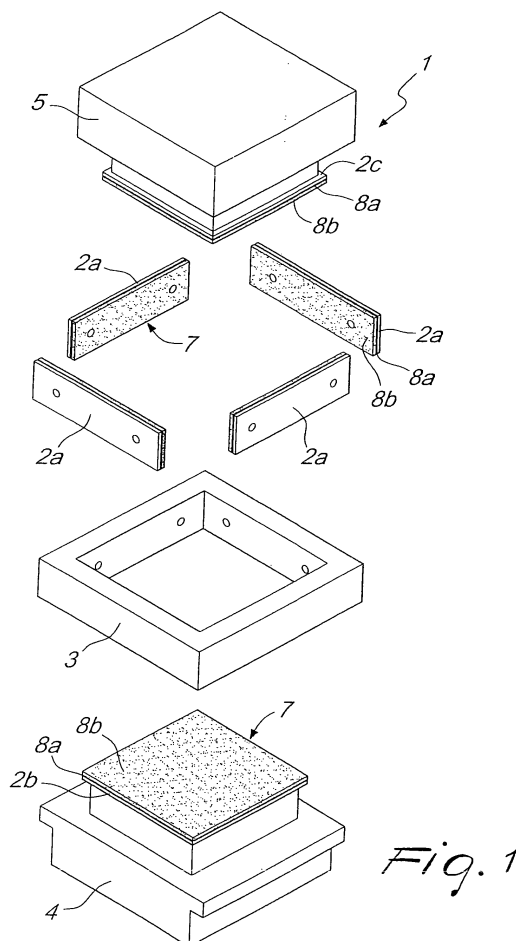
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(54) **Die for shaping ceramic articles**

(57) The die (1) for shaping ceramic articles comprises a plurality of walls (2a,2b,2c) that can be associated with each other so as to define an inner article shaping housing and the inner surfaces of which feature a multi-layer lining (7) comprising a first layer (8a) of anchoring material in the state of shaped melted and/or semi-melted powders associated with the inner surfaces and a second layer (8b) of anti-wear material in the state of shaped melted and/or semi-melted powders associated with the first layer (8a).





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EUROPEAN SEARCH REPORT

Application Number
EP 06 01 0809

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	JP 56 141922 A (WORLD METAL KK; JIYOUTOU TOKIN KK) 5 November 1981 (1981-11-05) * abstract * & DATABASE WPI Week 198150 Thomson Scientific, London, GB; AN 1981-92268D & JP 56 141922 A (JOTO TOKIN KK) 5 November 1981 (1981-11-05) * abstract *	1,3-8	INV. B28B7/36 C23C16/02
X	----- US 2003/124395 A1 (WHITTLE NEVILLE C [US] ET AL) 3 July 2003 (2003-07-03) * paragraph [0014] - paragraph [0016] * * paragraph [0024] - paragraph [0026]; claims 1-12 *	1-10	
X	----- US 4 120 930 A (LEMELSON JEROME H) 17 October 1978 (1978-10-17) * column 1, line 26 - line 64 * * column 3, line 20 - line 38 * * column 6, line 21 - line 51; claim 1 *	1-4,6-20	
X	----- EP 0 212 157 A (VARTA BATTERIE [DE]) 4 March 1987 (1987-03-04) * page 4, paragraph 4 * * page 6, paragraph 1 * * page 7, paragraph 2 - page 8, paragraph 3 *	1,3-8, 11,14	B28B C23C
X	----- EP 0 670 190 A (PEUGEOT [FR]; CITROEN SA [FR]) 6 September 1995 (1995-09-06) * the whole document *	1-11	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 26 September 2008	Examiner Orij, Jack
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 06 01 0809

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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26-09-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 56141922 A	05-11-1981	JP 1513311 C	24-08-1989
		JP 63063288 B	07-12-1988
US 2003124395 A1	03-07-2003	NONE	
US 4120930 A	17-10-1978	NONE	
EP 0212157 A	04-03-1987	CA 1267519 A1	10-04-1990
		US 5108668 A	28-04-1992
EP 0670190 A	06-09-1995	DE 69516566 D1	08-06-2000
		DE 69516566 T2	08-02-2001
		ES 2146294 T3	01-08-2000
		FR 2716898 A1	08-09-1995

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82