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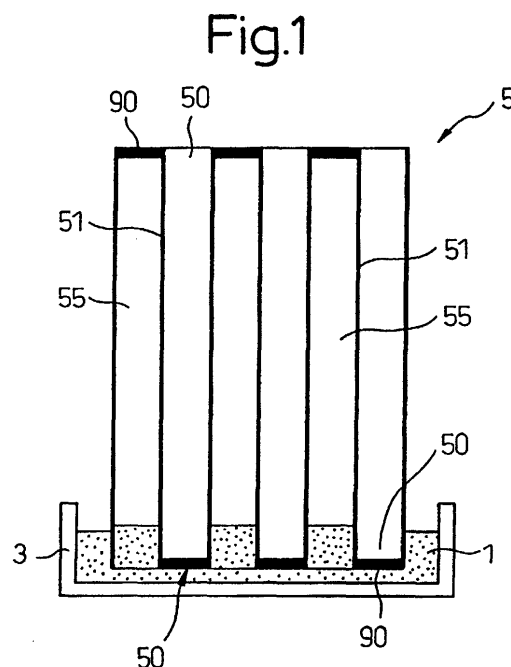
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(54) **Plugging method for ceramic honeycomb body**

(57) This invention provides a plugging method, for a ceramic honeycomb body, that does not create clearance in plug members closing cell end portions. To produce a ceramic honeycomb body 5 having a large number of cells 55 partitioned by partitions 51 and cell end portions 50 plugged by plug members, end faces of the ceramic honeycomb body are immersed in a plug member slurry 1 while the cell end portions 50 not provided with the plug member are covered with a masking material 90, and are then dried and heated. The plug member slurry 1 contains ceramic particles, a foaming material and water or an oil solvent.



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EUROPEAN SEARCH REPORT

Application Number
EP 02 00 6786

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	EP 0 677 498 A (CORNING INC) 18 October 1995 (1995-10-18) * abstract * * page 5, line 35 - line 42; claim 3; table 1 *	1,2,6,8	B28B11/00 C04B38/00
A	US 5 364 573 A (NOKY WERNER) 15 November 1994 (1994-11-15) * abstract *	1	
A	WO 00 48807 A (CORNING INC) 24 August 2000 (2000-08-24) * abstract *	1	
A	US 4 455 180 A (HILLMAN ARTHUR E ET AL) 19 June 1984 (1984-06-19) * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B28B C04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 July 2003	Examiner Boone, J
<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 & : member of the same patent family, corresponding document</p>			

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

EP 02 00 6786

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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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0677498	A	18-10-1995	EP 0677498 A2	18-10-1995
			JP 8187435 A	23-07-1996
US 5364573	A	15-11-1994	DE 4211787 C1	04-11-1993
			DE 59300473 D1	21-09-1995
			EP 0564967 A1	13-10-1993
			JP 6039219 A	15-02-1994
			US 5498288 A	12-03-1996
WO 0048807	A	24-08-2000	EP 1161332 A1	12-12-2001
			JP 2002537100 T	05-11-2002
			WO 0048807 A1	24-08-2000
US 4455180	A	19-06-1984	CA 1201664 A1	11-03-1986
			DE 3273956 D1	04-12-1986
			EP 0073634 A1	09-03-1983
			JP 1704408 C	27-10-1992
			JP 3067989 B	24-10-1991
			JP 58069785 A	26-04-1983