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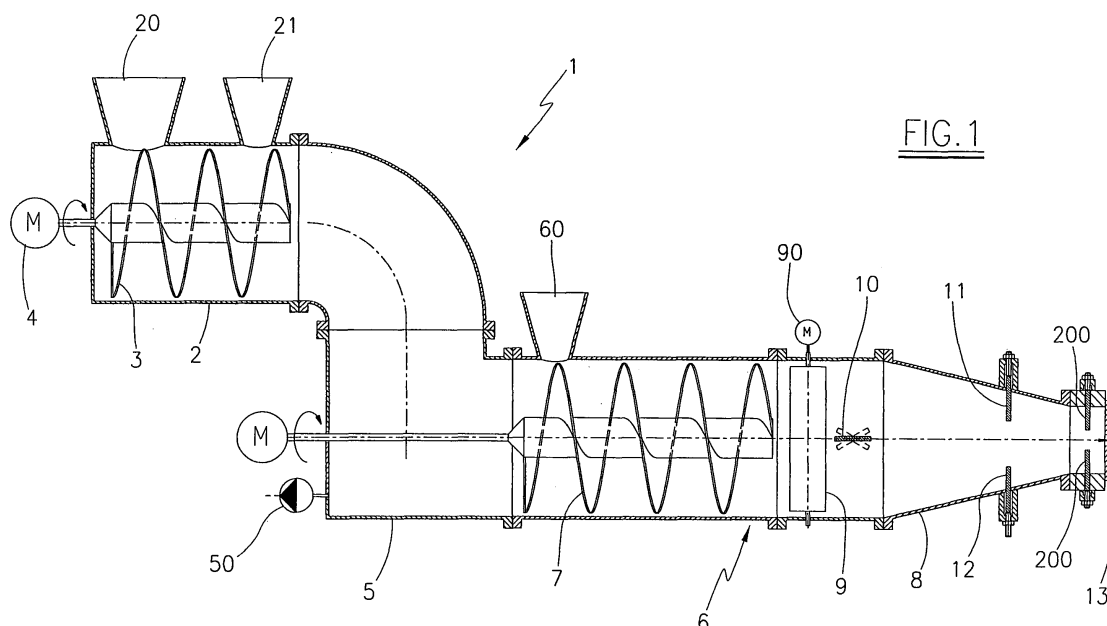
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(54) **Method for forming multi-coloured porcellainized ceramic stone tiles by extrusion**

(57) A method for forming tiles or tile accessories of extruded porcellainized ceramic stone, comprises the operation of preparing at least two pastes, typologically defined as porcellainized ceramic stone, having different colours; feeding said at least two pastes directly into the chamber of a screw extruder (6); subjecting the mass

advancing within the extruder (6), downstream of the screw (7) and upstream of the die (13), to the action of at least one flow deviator means (9, 10, 11, 12); separating portions corresponding to tiles or tile accessories such as steps or skirting; subjecting the tiles or tile accessories obtained in this manner to a drying cycle; subjecting the dried tiles or tile accessories to a firing cycle.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 06 01 5746

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y,D	US 4 292 359 A (MOSSO LUIGI) 29 September 1981 (1981-09-29)	1-7	INV.
A	* column 1, line 18 - line 59 * * figures *	8	B28B3/20 B28B1/00 B29C47/04
Y	DE 20 13 856 A (WITULSKI A) 14 October 1971 (1971-10-14)	1-7	
A	* page 1, paragraph 7 - page 4, paragraph 1 * * figures 1,2 *	8	
Y	DE 20 59 849 A (WITULSKI A;WITULSKI ALFRED) 20 July 1972 (1972-07-20)	1-7	
A	* page 1, paragraph 2 * * page 2, paragraph 7 - page 3, paragraph 2 * * figure 1 *	8	
Y	US 4 474 545 A (MAZZONI GUIDO) 2 October 1984 (1984-10-02)	1-7	
A	* column 1, line 36 - line 43 * * column 1, line 66 - column 2, line 11 * * column 3, line 14 - line 19 * * claim 1 * * figures 1,3 * * figures 1,2 *	8	TECHNICAL FIELDS SEARCHED (IPC) B28B B29C
Y	US 1 614 526 A (ROSS DONALD W ET AL) 18 January 1927 (1927-01-18)	1-7	
A	* column 1, line 6 - line 8 * * column 1, line 18 - line 26 * * column 1, line 32 - line 59 * * claim 1 * * figures 1,2 *	8	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 January 2008	Examiner Real Cabrera, Rafael
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 5746

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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22-01-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4292359 A	29-09-1981	CA 1138622 A1	04-01-1983
		DE 3001607 A1	07-08-1980
		ES 8101455 A1	16-03-1981
		FR 2447258 A1	22-08-1980
		IT 1203288 B	15-02-1989
		MX 155214 A	03-02-1988

DE 2013856 A	14-10-1971	NONE	

DE 2059849 A	20-07-1972	NONE	

US 4474545 A	02-10-1984	DE 3266688 D1	07-11-1985
		EP 0070567 A1	26-01-1983

US 1614526 A	18-01-1927	NONE	

EPO FORM P0459

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