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(54) Apparatus for making a kind of artistic decoration on ceramic tiles

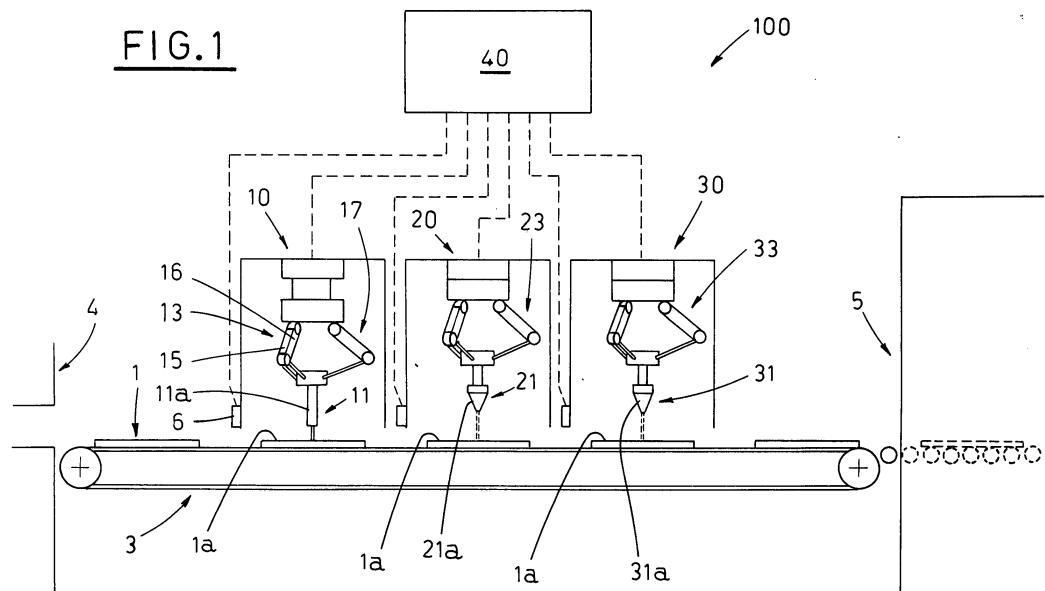
(57) The present apparatus for making artistic decorations on ceramic tiles in a single-firing tiles production line is placed downstream of a press (4) forming said raw tiles (1), and upstream of a drying kiln (5), above a conveyor (3) of said tiles (1).

The decorating apparatus (100) comprises one or more operating stations (10,20,30), arranged in series above said conveyor (3). Each one of the above operating stations (10,20,30) comprises an operating head (11,21,31), supported by a corresponding positioning

means consisting of a robotized driver (13,23,33), for driving said head along pre-defined and controlled paths near the tile surface (1 a).

The robotized drivers (13,23,33) are driven by a program operated control unit (40), in a phase relationship with the passage of the tiles (1) under the corresponding head (11,21,31). Said program carries coded information for guiding the heads along a plurality of pre-defined paths, for making on the tile surface (1 a) corresponding artistic decorations.

FIG. 1





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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim							
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A	GB 2 262 913 A (ROBIN GRAHAM * PAVITT) 7 July 1993 (1993-07-07) * page 7, paragraph 3; figures 6,7 * -----	1							
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)						
			B28B						
<p>1 The present search report has been drawn up for all claims</p> <table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>The Hague</td> <td>2 August 2005</td> <td>Boone, J</td> </tr> </table> <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>				Place of search	Date of completion of the search	Examiner	The Hague	2 August 2005	Boone, J
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The Hague	2 August 2005	Boone, J							

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

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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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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