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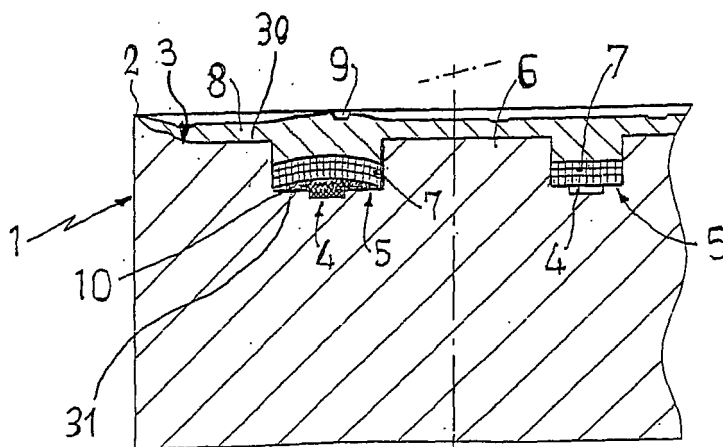
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(54) **Ceramic punch of the stamp type**

(57) Punch for moulding ceramic tiles, comprising a rigid body (1) provided with an active face (2) suitable for coining the fixing side of the tiles, a first sub-plane (30) formed on said active face (2) of the rigid body (1), a second sub-plane (31) that defines a plurality of projecting ribs (6, 60), a plurality of grooves (4) crossing over one another that cross said second sub-plane (31) forming a lattice and that define coplanar flat areas (5) around said projecting ribs (6, 60), said lattice of grooves (4)

making a labyrinth channel that contains an incompressible fluid (10), an elastically flexible perforated plate (7) rested upon said flat areas (5), the openings of which are suitable for slotting onto said projecting ribs (6, 60) with perfect fit, and an elastically deformable membrane (8) firmly fixed to said first sub-plane (30) and to said perforated plate (7), the outer face of said membrane (8) being equipped with a lattice of grooves (9) suitable for forming support feet in the tile.



**FIG. 4**



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# EUROPEAN SEARCH REPORT

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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 (IPC)                |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | EP 0 701 889 A2 (ALGERI MARIS [IT])<br>20 March 1996 (1996-03-20)                                                                                             | 1,11-13                                                | INV.<br>B28B3/00                                       |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | * column 13, line 32 - column 14, line 47;<br>figures 20-31 *                                                                                                 | 7-10                                                   |                                                        |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -----<br>EP 0 620 089 A2 (ALGERI MARIS [IT])<br>19 October 1994 (1994-10-19)<br>* column 11, lines 14-38; figures<br>5-7,19-23 *<br>* column 8, lines 47-52 * | 7-10                                                   |                                                        |
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| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                               |                                                        |                                                        |
| Place of search<br><b>The Hague</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                               | Date of completion of the search<br><b>30 May 2007</b> | Examiner<br><b>Labre, Arnaud</b>                       |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |                                                                                                                                                               |                                                        |                                                        |

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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