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**(54) Decorative plate and method for manufacturing same**

(57) A decorating material for buildings made of wood or plastics or paper. The decoration is obtained by placing a patterned material on the base part of the decorating material covered with venier, fabrics or plastics. The combined material is then pressed and then a thin layer is scraped off so as to reveal the covered pattern.

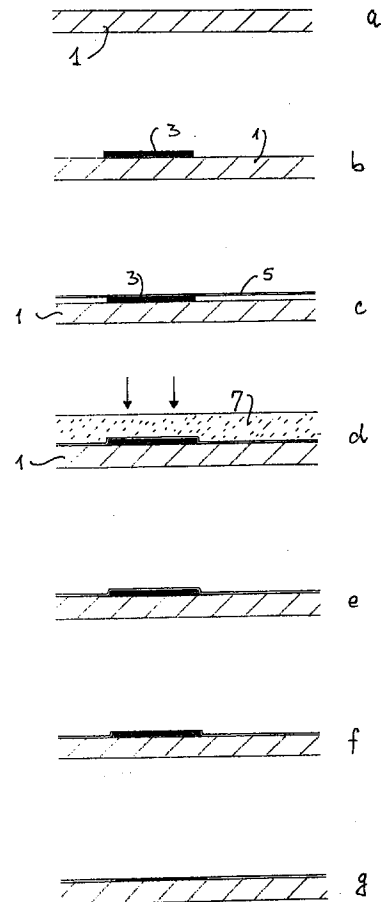


Fig. 1

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## Description

The present invention relates to a novel decorating and building means and a method for producing same.

Builders and architects need and use all kinds of building and decorating plates, panels, tiles and the like made of a variety of materials. Such materials being used for flooring or wall covering or other uses. The material is provided in the form of tiles, plates and/or panels.

The invention relates to such material, mainly but not exclusively, made of wood or similar material.

The appearance of the tiles or panels is subject to the material it is made of.

Wooden tiles or panels have the known wooden structure appearance depending on the wood it is made of.

It is the object of the present invention to provide such material having a novel unlimited variety of appearances.

It is a further object of the present invention to provide a method for manufacturing such material.

According to the invention there is provided a new building and decorating material which comprises a base part made of wood, plywood, plastics, paper and the like and on said base there is placed a patterned material and covered and glued by a flexible material such as wood, venier wood, fabrics, plastic and the like, the composite material is pressed and then a thin top layer is scraped off to reveal the pattern.

The method for manufacturing the above tile or panel comprises the steps of:

1. Placing the base material in a horizontal position.
2. Applying glue thereof.
3. Laying or scattering the "patterned" material.
4. Covering the above with the appropriate material.
5. Placing a thick rubber sheet on top of the above.
6. Applying pressure on the rubber by means of a press.
7. Removing the rubber.
8. Scraping the upper surface of the panel to reveal the pattern.

In some instances it is required to apply a second layer of glue after the third step.

The above method could also be made on both sides of the base material so as to obtain a dual side decorated plate or tile.

The invention will now be described with reference to the annexed drawings in which:

Fig. 1 illustrates the stages of the method.

Fig. 2 illustrates the stage of an embodiment of the method.

Fig. 3 illustrates a plate or tile in a perspective manner.

Fig. 4 is a cross section of such tile or plate.

Figs. 5 and 6 illustrate the plate of Fig. 3 after it has been treated.

As can be seen in Fig. 1a on a base plate 1 made of common material such as wood, plastics or the like, a thin layer of glue is applied. On the glue a piece of wood, metal or whatever material 3 is placed - Fig. 1b. On top of the above a thin layer of flexible material 5 is placed - Fig. 1c. A rubber sheet 7 is placed on the above and pressure is applied thereon - Fig. 1d. After the rubber is removed - Fig. 1e the upper surface is scraped within as seen in Figs. 1f or 1g.

In some instances it is required to apply glue on top of pattern 3 before placing sheet material 5.

Fig. 2 illustrates the steps of an embodiment of the method described mainly by performing on both sides of base plate 1 with the method described so as to obtain a double sided plate.

Fig. 3 illustrates in perspective a tile made in accordance with the above method. A cross section is seen in Fig. 4. The upper layer of material 5 could be removed as seen in Fig. 5 or be flattened so as seen in Fig. 6.

It is within the scope of the invention to manufacture tiles or plates simultaneously in several layers.

It is also within the scope of the invention to use any kind of material to create unique patterns.

Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly, such reference signs do not have any limiting effect on the scope of each element identified by way of example by such reference signs.

## Claims

1. A method for manufacturing a tile or plate which comprises the steps of:
  - a. Placing the base material in a horizontal position;
  - b. Applying the glue thereof;
  - c. Laying or scattering the "patterned" material;
  - d. Covering the above with the appropriate material;
  - e. Placing a thick rubber sheet on top of the above;
  - f. Applying pressure on the rubber by means of a press;
  - g. Removing the rubber;
  - h. Scraping the upper surface of the panel to reveal the pattern.
2. A method for manufacturing a tile or plate as claimed in claim 1 where the method is exercised on both sides of the base material.

3. A plate or tile which comprises a base material on which is placed a patterned material and on top of which is glued a further flexible material, the upper surface of said flexible material is scraped off to reveal the said pattern.

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4. Method for manufacturing a tile or plate, substantially as hereinbefore described.

5. Manufacturing tiles or plates, substantially as hereinbefore described and reference to the accompanying drawings.

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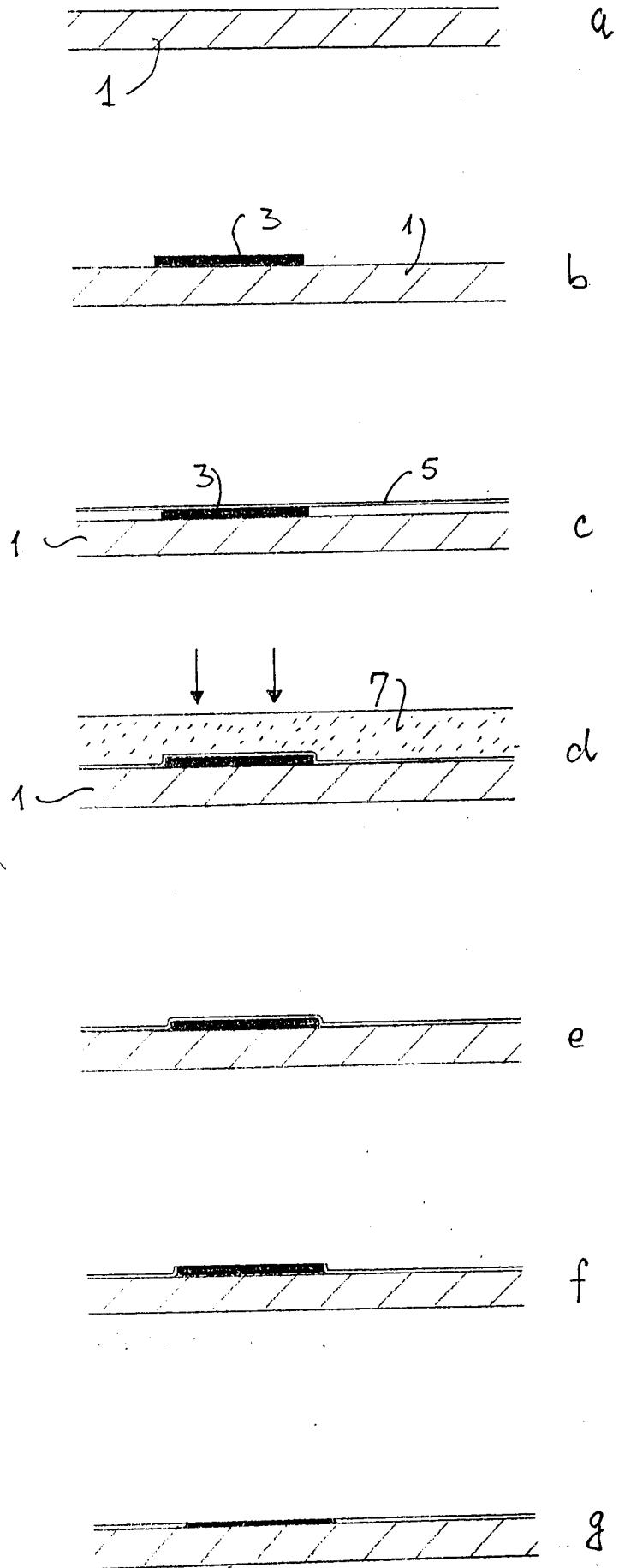
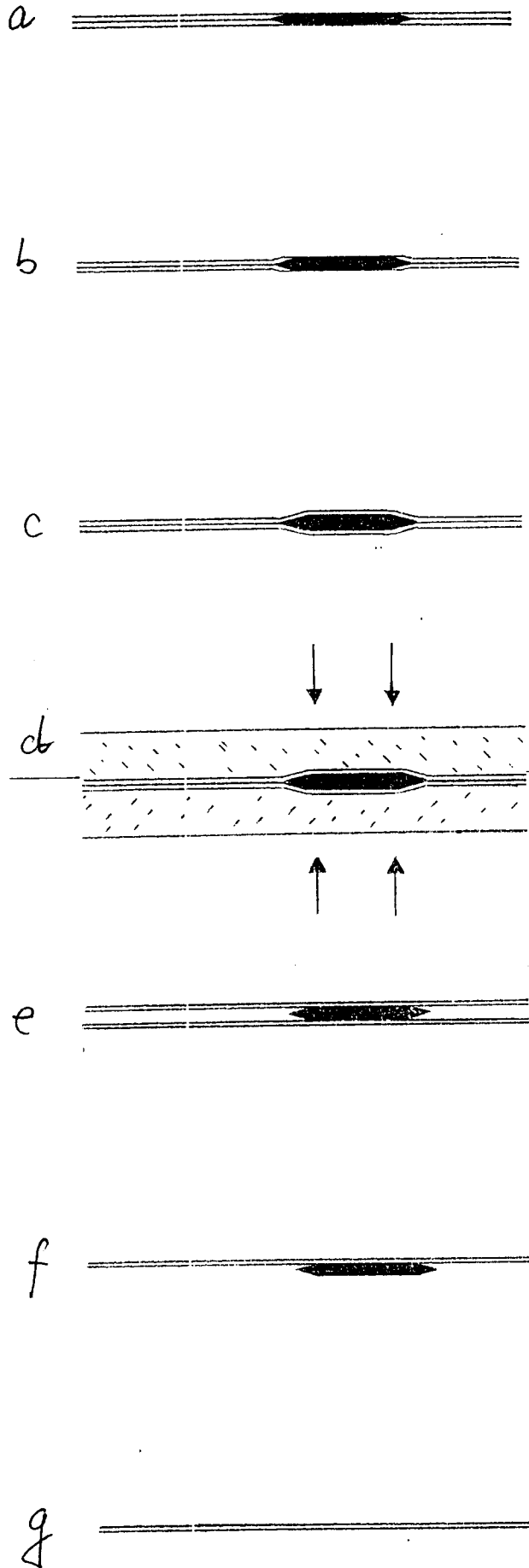


FIG. 1

FIG. 2



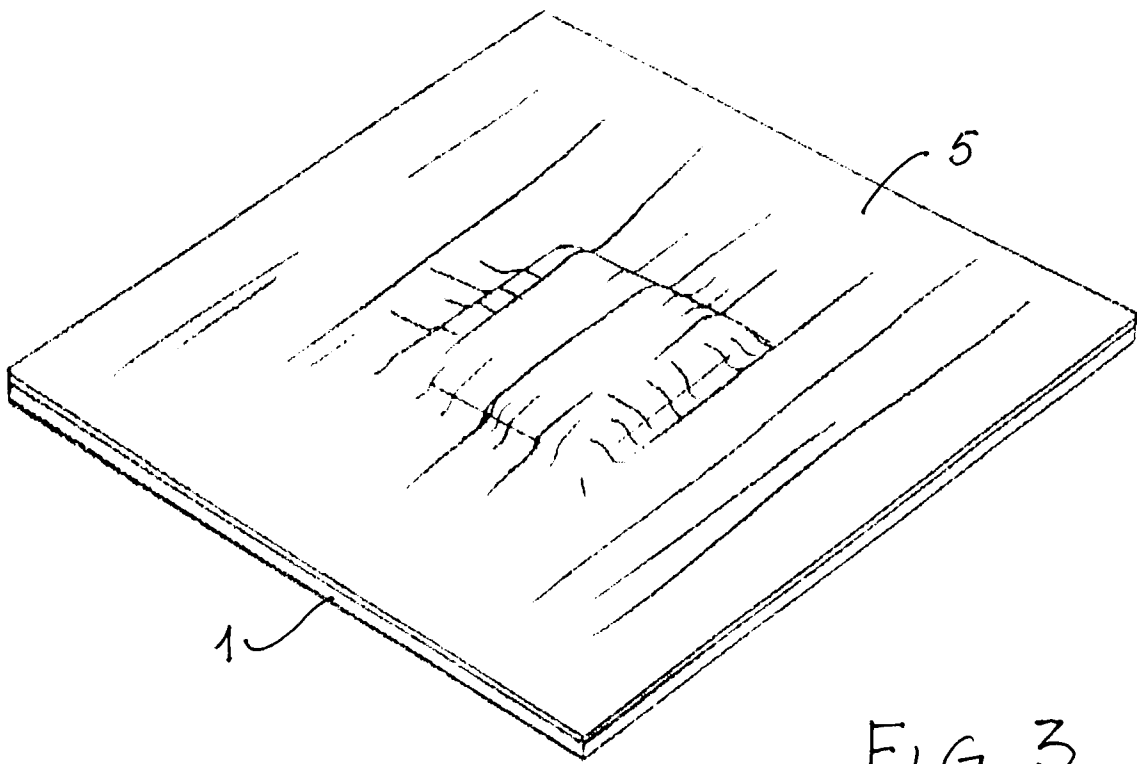


FIG. 3

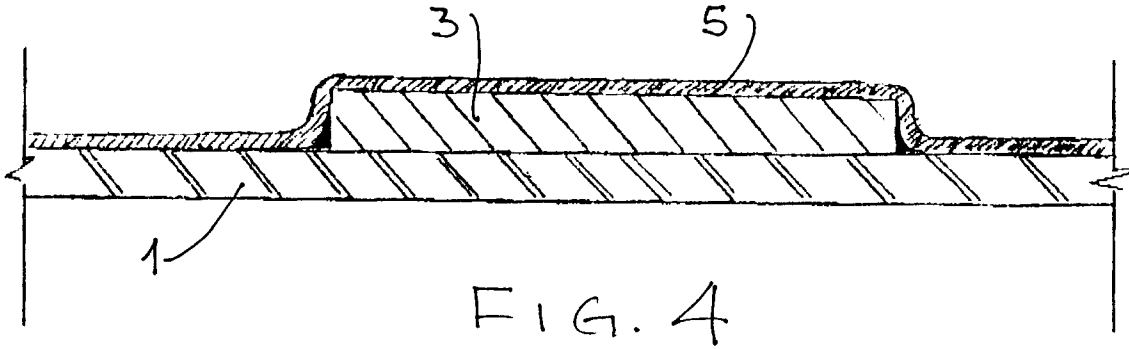


FIG. 4

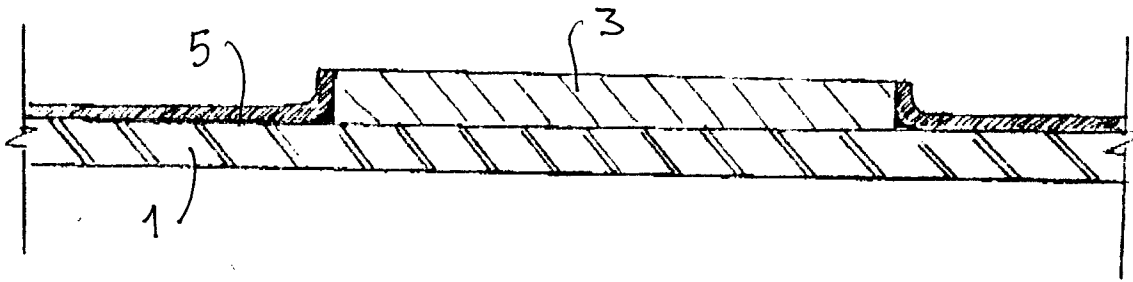


FIG. 5

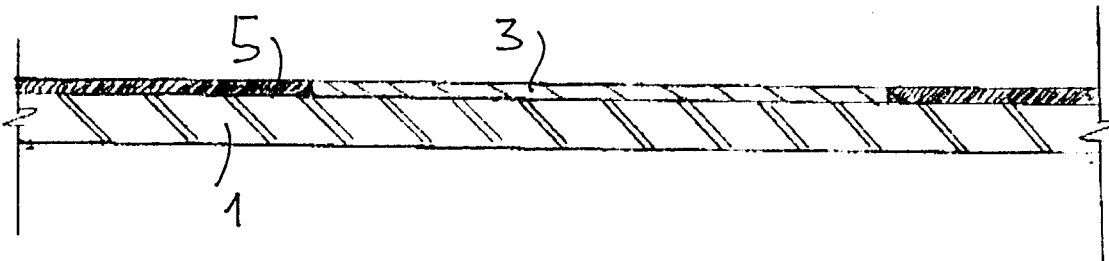


FIG. 6



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EUROPEAN SEARCH REPORT

Application Number  
EP 97 11 3254

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.6)
X	GB 2 243 805 A (BERNSTEIN GROUP PLC) * page 2, paragraph 4 - page 6, paragraph 2 *	1,3,4	B44C5/04
X	GB 2 297 064 A (C. E. HOYLE ET AL) * page 1, line 1 - page 5, line 5 *	1,3,4	
X	GB 2 165 184 A (HEWKIN & ASSOCIATES LIMITED) * page 1, line 38 - page 2, line 72 *	1-4	
X	US 3 887 415 A (A. ELMENDORF ET AL) * column 2, line 56 - column 5, line 30 *	1,3,4	
X	DATABASE WPI Section Ch, Week 9030 Derwent Publications Ltd., London, GB; Class A35, AN 90-229425 XP002018755 & JP 02 159 201 A (TOYO RUBBER IND CO LTD) , 19 June 1990 * abstract *	1,3,4	
X	DATABASE WPI Section Ch, Week 8537 Derwent Publications Ltd., London, GB; Class A32, AN 85-226197 XP002018754 & JP 60 145 824 A (NICHIMAN GUM KOGYO) , 1 August 1985 * abstract *	1,3,4	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B44D B44C
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 October 1997	Examiner Doolan, G
<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 &amp; : member of the same patent family, corresponding document</p>			

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