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(54) **A METHOD OF MANUFACTURING A BRICKWORK MEMBER**

(57) A method of manufacturing brickwork members is provided. The method includes: providing a mould defining a base and four upstanding walls extending from said base so as to define a receptacle for receiving a deformable building material, e.g. clay, therein; creating textured surface features on the base of the mould; c) dispensing a deformable building material into the mould; and d) applying pressure to the deformable building material within the mould. The step of applying pressure to the deformable building material imprints the textured surface features of the base onto a surface of the deformable building material.

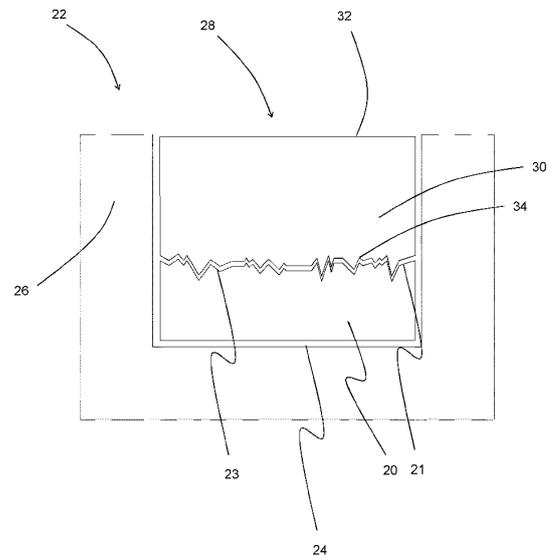


FIG. 2

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EUROPEAN SEARCH REPORT

Application Number

EP 21 16 5062

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DOCUMENTS CONSIDERED TO BE RELEVANT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2010/218447 A1 (GEHRING STEVE [US]) 2 September 2010 (2010-09-02)	1-3, 5, 13, 14	INV. B28B3/04
Y	* paragraph [0033] - paragraph [0042]; claim 6; figures 1-3 *	4	B28B7/00 B28B7/02 B28B7/34
X	GB 2 232 114 A (BORAL EDENHALL CONCRETE PRODUC [GB]) 5 December 1990 (1990-12-05)	1, 14	B28B7/36 B28B17/00
A	* page 4 - page 9, paragraph 3; figures 1, 5 *	13	
Y	DE 19 13 130 A1 (BETONSTEINWERK WILHELM KENNGOT) 24 September 1970 (1970-09-24)	4	
X	NL 1 011 060 C2 (HANSON BAKSTEEN NEDERLAND B V [NL]) 19 July 2000 (2000-07-19)	1, 5, 7-9	
X	NL 1 006 041 C2 (STRUYK VERWO GROEP B V [NL]) 19 November 1998 (1998-11-19)	1, 5, 7-9	TECHNICAL FIELDS SEARCHED (IPC)
X	GB 2 107 637 A (GUARD JOHN) 5 May 1983 (1983-05-05)	1, 5	B28B
A	* page 1, line 82 - page 2, line 103; figures *	7-9	

2 The present search report has been drawn up for all claims

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Place of search  
**The Hague**

Date of completion of the search  
**16 March 2022**

Examiner  
**Orij, Jack**

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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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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

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Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

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No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

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**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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**see sheet B**

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All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

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As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

**1-5, 7-9, 13, 14**

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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

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The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

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LACK OF UNITY OF INVENTION  
SHEET B

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-5, 13, 14

A method of manufacturing brickwork members, the method comprising the steps of imparting a textured brick surface onto the base of the mould, wherein the textured brick surface is imparted onto a deformable material.

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2. claims: 6, 15

A method of manufacturing brickwork members, wherein the base is configured to define one or more openings through the mould

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3. claims: 7-9

A method of manufacturing brickwork members, comprising the step of selecting the height of the textured surface within the mould

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4. claim: 10

A method of manufacturing brickwork members, wherein the brickwork member is a brick slip comprising clay building material

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5. claim: 11

A method of manufacturing brickwork members, comprising the step of removing the brickwork member from the mould

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6. claim: 12

A method of manufacturing brickwork members, wherein sand is deposited onto the base of the mould

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

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5 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.

16-03-2022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010218447 A1	02-09-2010	NONE	
GB 2232114 A	05-12-1990	NONE	
DE 1913130 A1	24-09-1970	NONE	
NL 1011060 C2	19-07-2000	NONE	
NL 1006041 C2	19-11-1998	NONE	
GB 2107637 A	05-05-1983	NONE	