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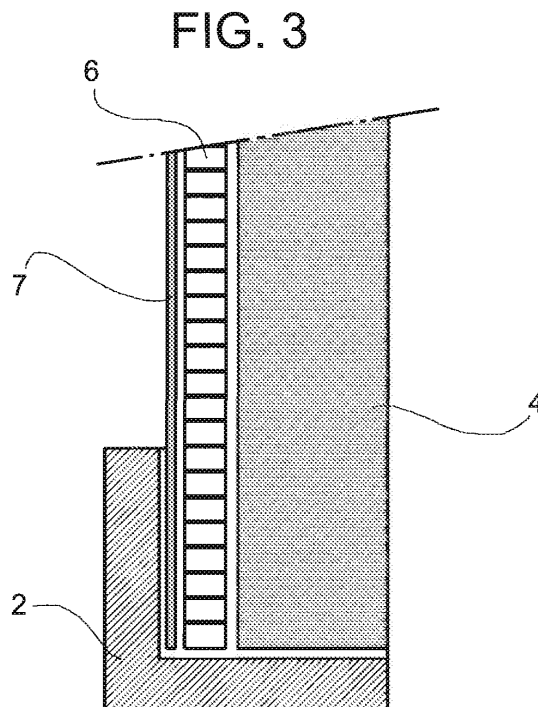
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(54) **Acoustically active board of textile material**

(57) The board is produced mainly using textile fibres, has a high sound-damping capacity and is constructed in the form of a flat or three-dimensional decorative panel which may also be modular. It is used to improve the acoustic and furnishing properties of environments, the constructional characteristics of which may result in undesirable resonance and/or reverberation. The board consists of a fibrous mass which performs the sound-damping function. The aesthetic function is performed by the visible external surface of the fibrous mass. This surface may be flat or in three-dimensional relief, coloured or printed or patterned. The pattern may extend as far as the sides, or a frame made of other material may be provided. By way of the desired aesthetic effect, the surface may be more or less smooth, or embossed, or knurled. The board may consist of several layers, one of which, being optional, has the function of a resonator. The board is formed by means of a pressing operation at a suitable temperature with mechanical or manual shaping where required.



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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 | DE 21 13 776 A1 (ARMSTRONG CORK CO) 21 October 1971 (1971-10-21) | 1-4,11 | INV. E04B1/86 |
| Y | * the whole document * | 5-10,12,13 | |
| Y | ----- US 3 971 867 A (RANDALL ROBERT L) 27 July 1976 (1976-07-27) * column 2, line 35 - column 3, line 25; figures 1,2 * | 5-7,12 | |
| Y | ----- GB 963 632 A (TENTEST COMPANY LTD) 15 July 1964 (1964-07-15) * page 1, line 38 - line 61; figures * | 9 | |
| Y | ----- US 1 925 453 A (JACOB MAZER) 5 September 1933 (1933-09-05) * page 1, line 80 - line 88; figures 5,6 * | 8,10 | |
| Y | ----- GB 692 709 A (CHARLES BOURGEOIS) 10 June 1953 (1953-06-10) * figure 9 * | 13 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | E04B |
| The present search report has been drawn up for all claims | | | |
| Place of search The Hague | | Date of completion of the search 4 February 2009 | Examiner Clasing, Martina |
| 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.**

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04-02-2009

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|---|--------------------------|
| DE 2113776 A1 | 21-10-1971 | CA 956244 A1 GB 1351020 A | 15-10-1974 24-04-1974 |
| US 3971867 A | 27-07-1976 | NONE | |
| GB 963632 A | 15-07-1964 | NONE | |
| US 1925453 A | 05-09-1933 | NONE | |
| GB 692709 A | 10-06-1953 | BE 488420 A BE 489534 A BE 490897 A BE 492647 A CH 284736 A FR 997024 A LU 30044 A NL 78619 C NL 149422 C | 15-08-1952 31-12-1951 |

EPO FORM P0459

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