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(54) **A sealing system**

(57) A fire barrier 1 to provide a fire safe break between the top of a party wall and a roof covering comprises a single piece support member 2 having a channel 3 for receiving a gasket 6 of fire resistant material. The

support member 2 has a pair of integral sides 7, 8 which extend sidewardly thereof. The sides 7, 8 extend longitudinally beyond the channel 3 at one end thereof for overlapping with a like fire barrier 1, on assembly.

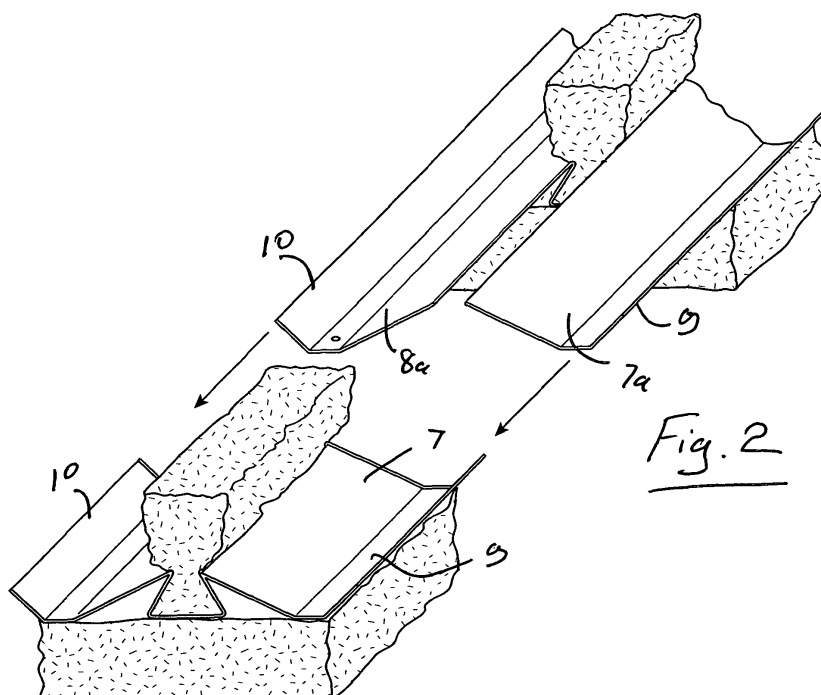


Fig. 2

Description

Introduction

[0001] The invention relates to a sealing system and in particular to a fire barrier for locations between the top of a party wall and a roof covering.

Statements of Invention

[0002] According to the invention there is provided a fire barrier to provide a fire safe break between the top of a party wall and a roof covering, the barrier comprising a single piece support member having a channel for receiving a gasket of fire resistant material and a pair of integral sides extending sidewardly thereof wherein the sides extend longitudinally beyond the channel at one end thereof for overlapping with a like fire barrier, on assembly.

[0003] in one embodiment the channel is a dovetail shape having an enlarged bottom portion and a narrower top portion for entrapping the gasket.

[0004] The sides may extend from the top portion of the channel.

[0005] In one embodiment at least one of the sides has an angled portion for supporting a flashing or the like. Both sides may have such angled portions.

Brief Description of the Drawings

[0006] The invention will be more clearly understood from the following description thereof given by way of example only, in which: -

Fig. 1 is a perspective view of a fire barrier according to the invention;

Fig. 2 is a perspective view of the fire barrier being assembled to a like fire barrier;

Fig. 3 is a perspective view of the assembled fire barriers;

Fig. 4 is a cross sectional view of the fire barrier; and

Figs. 5 to 7 are view of the fire barrier system, in use.

Detailed Description

[0007] Referring to the drawings there is illustrated a fire barrier 1 according to the invention which is located in use on top of a party wall to provide a fire break between the party wall and any roof covering. The fire barrier 1 comprises a single piece support member 2 of a suitable fire resistant material such as steel. The support comprises a channel 3 of dovetail shape having an enlarged bottom portion 4 and a narrower top portion 5 for entrapping a gasket 6 of a suitable fire barrier material such as

rock fibre.

[0008] A pair of integrated side portions 7,8 extend downwardly from the narrow top portion 5 and angled portions 9, 10 extend upwardly from the side portions 7, 8 for reception of flashings or the like.

[0009] The side portions 7, 8 extend longitudinally at 7a, 8a beyond the channel 3 at one end of the support member 2 for end overlapping with a like support member 2 on assembly as illustrated in Figs. 2 and 3. This feature is very advantageous because the barriers can be supplied in lightweight short lengths and readily assembled on site to form a barrier of any desired length. Hence, the barrier can be used on any roof size.

[0010] The invention is not limited to the embodiments hereinbefore described which may be varied in detail.

Claims

1. A fire barrier to provide a fire safe break between the top of a party wall and a roof covering, the barrier comprising a single piece support member having a channel for receiving a gasket of fire resistant material and a pair of integral sides extending sidewardly thereof wherein the sides extend longitudinally beyond the channel at one end thereof for overlapping with a like fire barrier, on assembly.
2. A fire barrier as claimed in claim 1 wherein the channel is of dovetail shape having an enlarged bottom portion and a narrower top portion for entrapping the gasket.
3. A fire barrier as claimed in claim 2 wherein the sides extend from the top portion of the channel.
4. A fire barrier as claimed in any preceding claim wherein at least one of the sides has an angled portion for supporting a flashing or the like.
5. A fire barrier as claimed in claim 4 wherein both sides have angled portions.

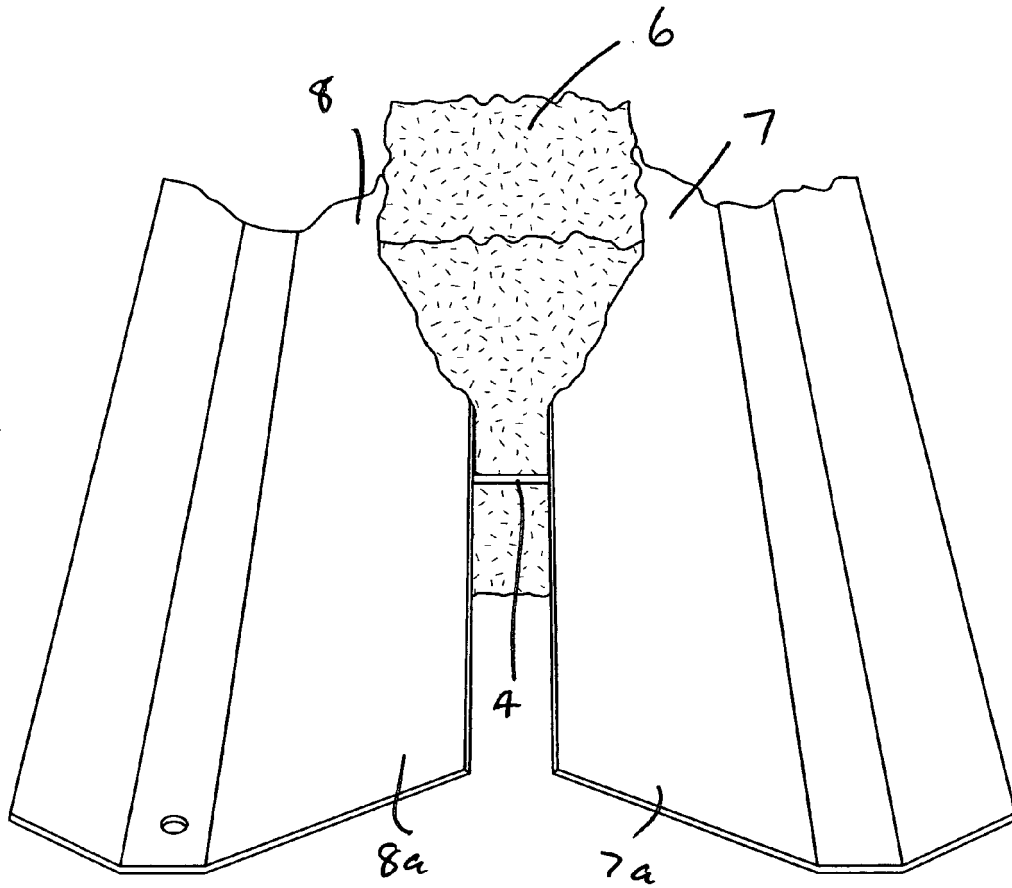


Fig. 1

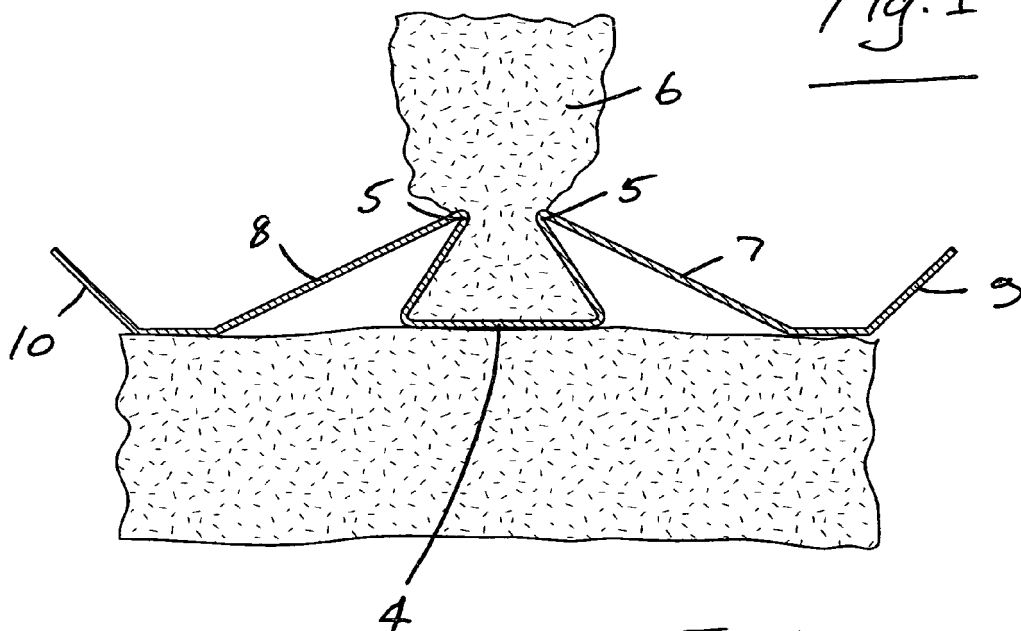
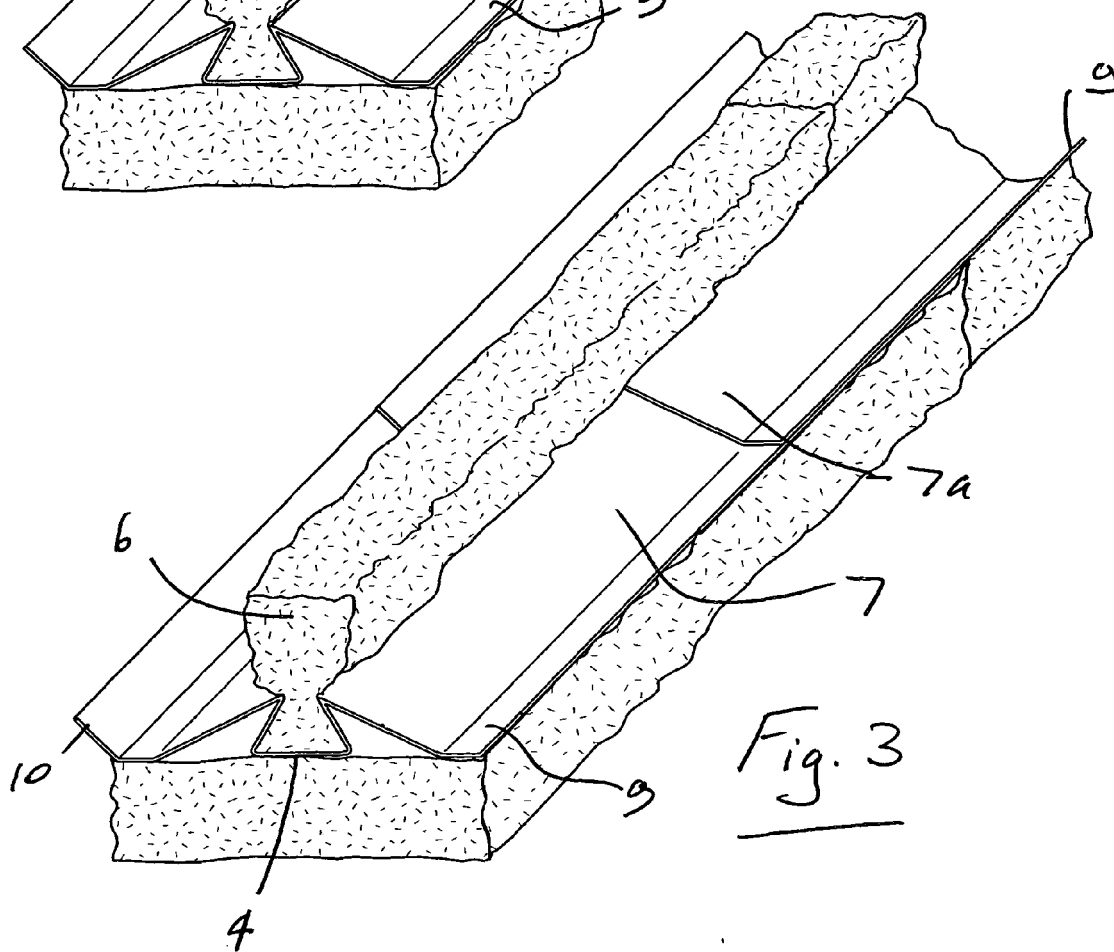
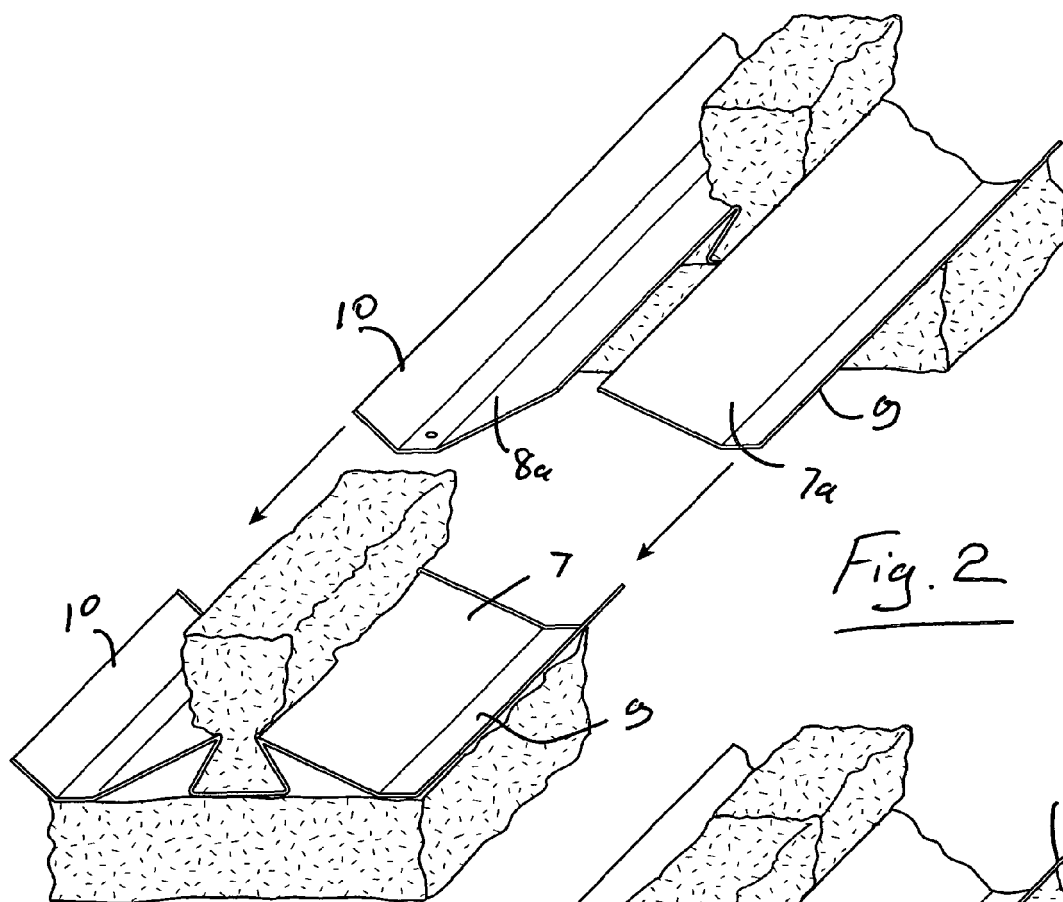


Fig. 4



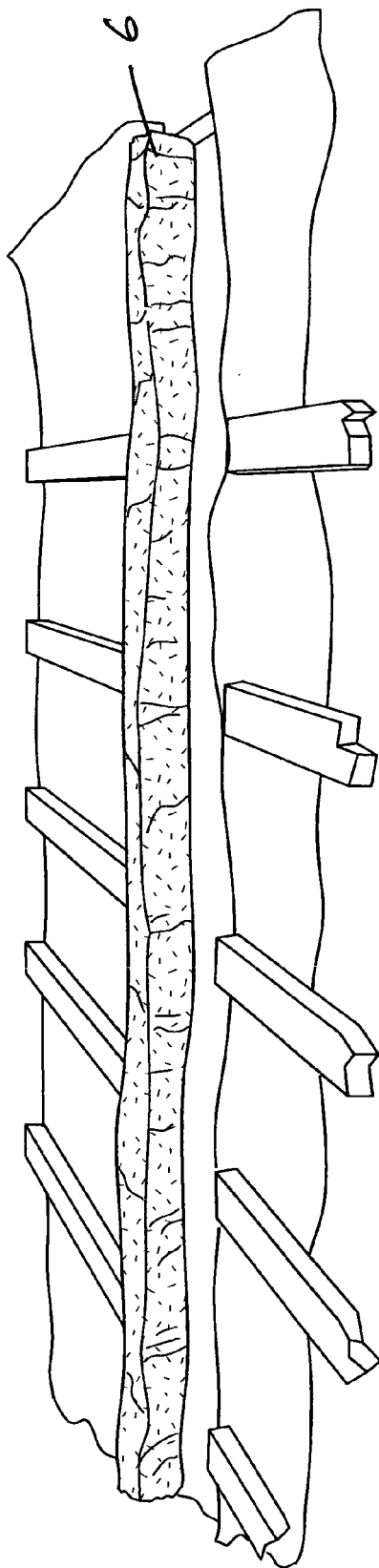


Fig. 5

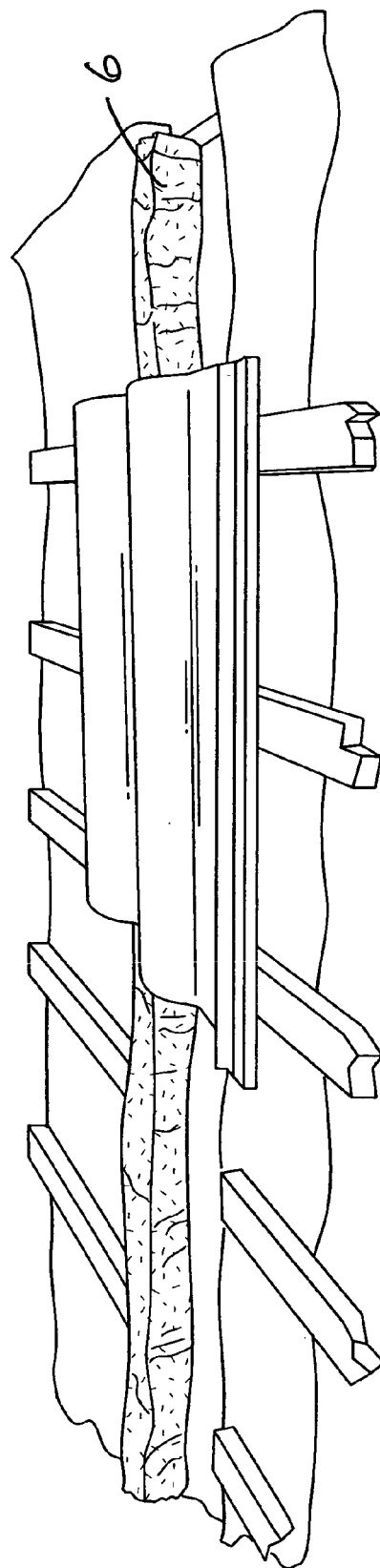


Fig. 6

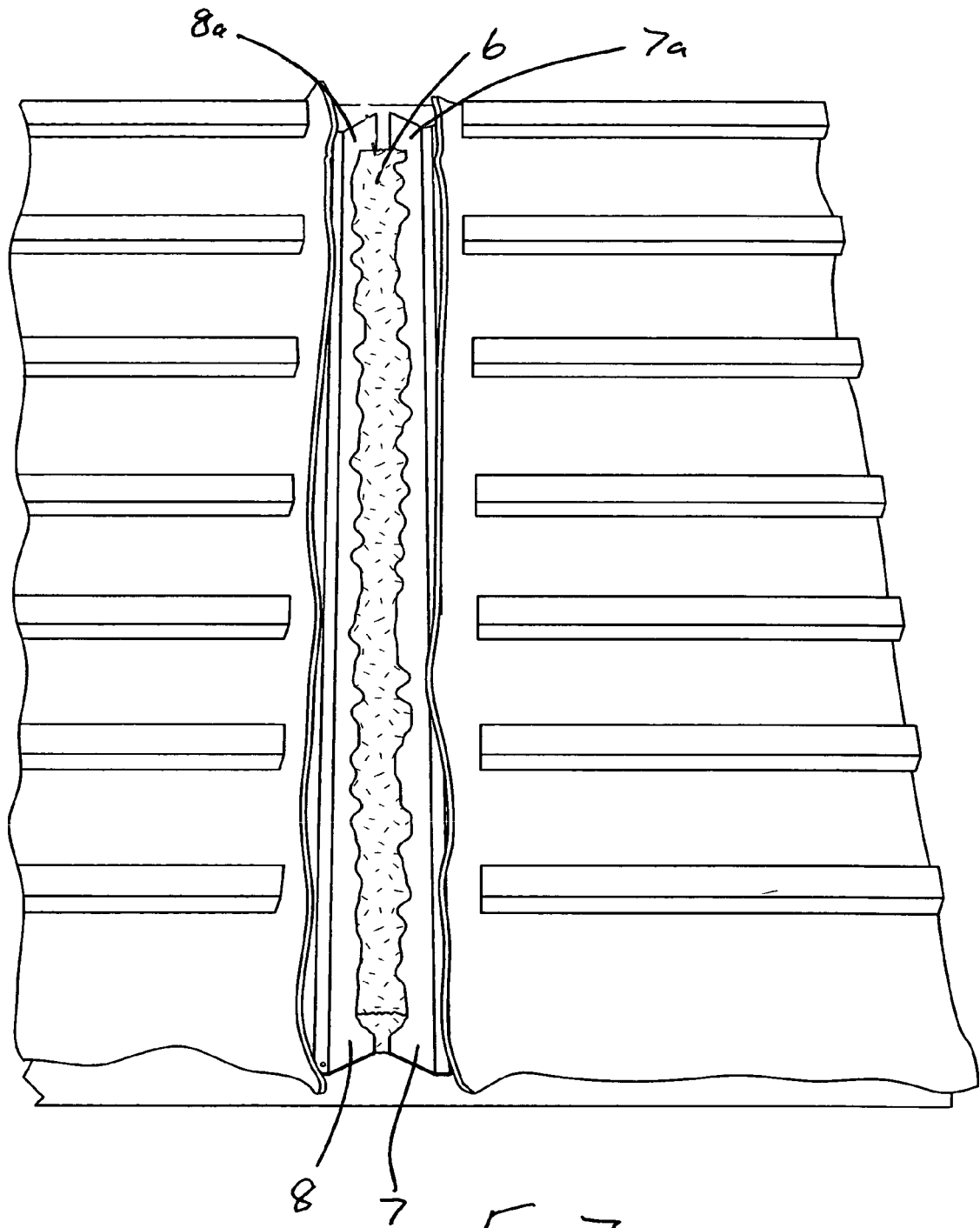


Fig. 7



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 39 4013

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	GB 2 082 647 A (N. C. MANNING) 10 March 1982 (1982-03-10) * column 3, line 43 - line 59; figures * -----	1-5	INV. E04B1/94 E04B9/00 E04D13/16
			TECHNICAL FIELDS SEARCHED (IPC)
			E04B E04D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 11 December 2006	Examiner Righetti, Roberto
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.**

EP 06 39 4013

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
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11-12-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2082647	A	10-03-1982	NONE

EPO FORM P0459

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