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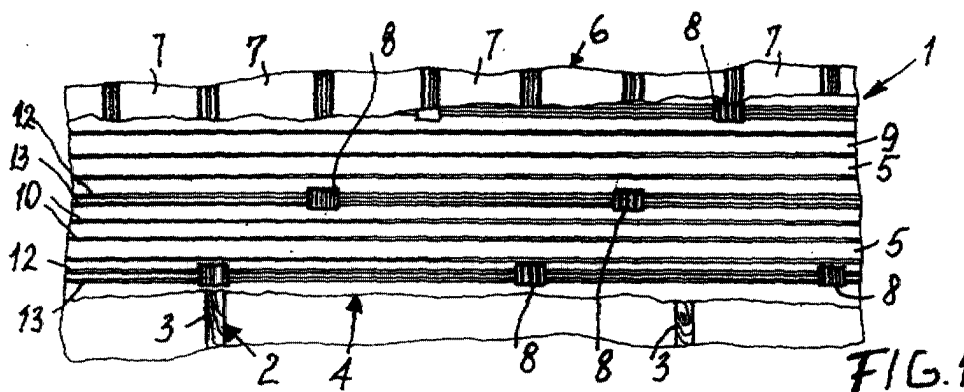
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(54) **A laying process for a metal cover and covering structure for implementing such a process**

(57) A flat covering structure (1) including a load-bearing purlin structure (2), a lower facing of staves (5) located side-by-side and aligned in a first direction on said load-bearing structure (2) and secured thereto in any suitable manner, the said staves (5) having a substantially flat mid-portion (9) and longitudinal edges (12, 13) that are bent with respect to the said mid-portion (9) and are designed to extend upwards, in use, an upper covering surface (6) of metal sheet elements (7) to be laid on the said staves (5) crossways with respect to the said first direction and to be anchored thereto thereby

delimiting with the said staves (5) a gap (33) arranged to receive a layer of thermally insulating material (44) and a plurality of removable locking blocks (8) arranged to anchor the said metal sheet elements (7) to the said staves (5). Each one of the said removable locking blocks (8) comprises blocking means (26, 27; 46) designed to connect the said side-by-side longitudinal edges (12, 13) belonging to two adjacent staves (5), as well as securing means (35, 36) designed to couple two adjacent metal sheet elements (7), thereby obtaining direct anchoring, in use, between the said staves (5) and the said metal sheet elements (7).



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EUROPEAN SEARCH REPORT

Application Number
EP 01 11 6425

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.7)
X	FR 2 730 514 A (SOPREMA) 14 August 1996 (1996-08-14)	1,11,13	E04D3/36 E04D13/16
A	* page 12, line 17 - page 13, line 2; figures 2,5,15 * * page 14, line 26 - line 27 * * page 14, line 4 - line 16 * ---	12,26	
X	EP 0 969 159 A (FLUMROC AG ;SCHNEIDER & CO (CH)) 5 January 2000 (2000-01-05)	1,13	
Y	* abstract; figures 1,3 * ---	14	
Y	DE 295 16 432 U (WINTER HUBERTUS) 13 February 1997 (1997-02-13)	14	
A	* page 2, paragraph 2; figure 1 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E04D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 March 2002	Examiner Demeester, J
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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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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15-03-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
FR 2730514	A	14-08-1996	FR	2730514 A1	14-08-1996
EP 0969159	A	05-01-2000	AT	196789 T	15-10-2000
			DE	59800286 D1	09-11-2000
			EP	0854252 A2	22-07-1998
			EP	0969159 A2	05-01-2000
			EP	0969160 A2	05-01-2000
DE 29516432	U	13-02-1997	DE	29516432 U1	13-02-1997