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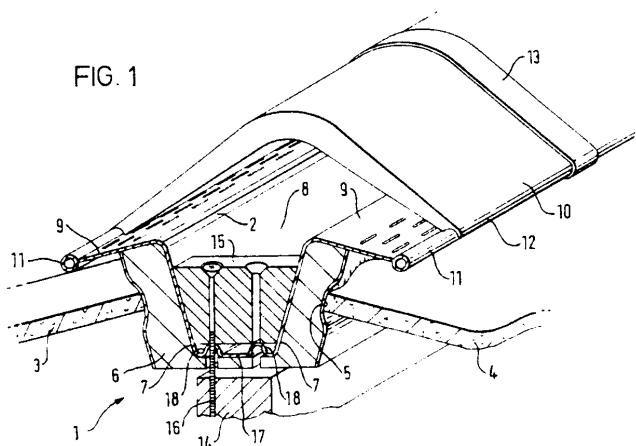
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(54) **Roofing system and components thereof**

(57) An extruded hip tile support (2) having a U-shaped portion (8) to locate the hip tile support to a hip rafter (14), and two outwardly extending supporting portions (9) for supporting the bottom edge (12) of a hip tile (10), the hip tile support (2) further having sealing material (6) provided along the sides (7) of the locating por-

tion (8) to seal against the cut edge (5) of the adjacent roof tiles (3,4). A wedge-shaped member (15) is used to secure the hip tile support (2) to the hip rafter (14) and to deflect the sides (7) of the hip tile support (2) outwardly, thereby urging the sealing material (6) against the cut edge (5) of the roof tiles (3,4).

FIG. 1



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# EUROPEAN SEARCH REPORT

Application Number  
EP 97 31 0360

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	WO 84 00187 A (MARLEY TILE) 19 January 1984	1,2,5,7, 10-17	E04D13/17 E04D12/00
A	* page 5, line 1 - page 6, paragraph 1; figures *	8,9	E04D1/34 E04D3/40
Y	---	3,4,6	
Y	US 4 280 399 A (CUNNING) 28 July 1981 * abstract; figures *	3,4	
Y	---		
Y	DE 42 22 729 A (FLECK) 13 January 1994 * abstract; figures *	6	
A	---		
A	WO 82 00314 A (MARLEY TILE) 4 February 1982 * abstract; figures *	1,2,5,7, 10-17	
A	---		
A	GB 2 155 516 A (BUCKLEY PRODUCTS) 25 September 1985 * abstract; figures *	3,10,14, 15	
A	---		
A	DE 195 37 852 A (ILLBRUCK GMBH) 18 April 1996 * column 4, line 7 - line 17; figures *	5,6	TECHNICAL FIELDS SEARCHED (Int.Cl.6) E04D
A	---		
A	US 4 322 924 A (COOPER) 6 April 1982 * abstract; figures *	1,3	
	-----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 December 1998	Examiner Righetti, R
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.  
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14-12-1998

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 8400187 A	19-01-1984	GB 2123050 A	25-01-1984
		AT 22717 T	15-10-1986
		BR 8307419 A	05-06-1984
		CA 1193413 A	17-09-1985
		EP 0112360 A	04-07-1984
		IE 54212 B	19-07-1989
		JP 3059219 B	09-09-1991
		JP 59501372 T	02-08-1984
		US 4685265 A	11-08-1987
		ZA 8304599 A	29-08-1984
US 4280399 A	28-07-1981	NONE	
DE 4222729 A	13-01-1994	NONE	
WO 8200314 A	04-02-1982	AT 6952 T	15-04-1984
		BR 8009091 A	01-06-1982
		EP 0056021 A	21-07-1982
		IE 50215 B	05-03-1986
		JP 1030989 B	22-06-1989
		JP 57501091 T	24-06-1982
		US 4532739 A	06-08-1985
		ZA 8007461 A	25-11-1981
GB 2155516 A	25-09-1985	CA 1223769 A	07-07-1987
DE 19537852 A	18-04-1996	DE 9416299 U	08-02-1996
US 4322924 A	06-04-1982	NONE	

EPO FORM P0459

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