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(54) **Window covering structure**

(57) The invention relates to a window covering structure, comprising top covering and side coverings having drainage grooves, the drainage grooves of the top covering and the side covering are joined together in a waterproof manner. Thus the drainage grooves of the top and side coverings form an integral structure, the water inside of the top covering drainage groove flows into the side covering drainage groove. The drainage is convenient. There is no need to do the drainage process to the top covering individually, its structure is simple and

the connection is reliable. One structure is that the drainage groove of the top covering and drainage groove of the side covering are joined in a sealing manner at their end surfaces having the sealing glue placed at the end surfaces, the joint angel is 30°, 45° or 60°. Another structure is that the top covering drainage groove overlaps the side covering drainage groove, the connecting portion of the top covering drainage groove covers above the connecting portion of the side covering drainage groove. Its installation is simple and the appearance is nice.

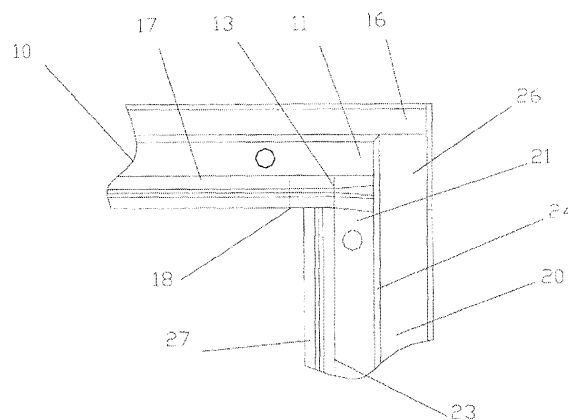


Fig. 8

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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	WO 99/02799 A (VELUX IND AS [DK]; ANDERSEN BJARNE ANDRES [DK]; LARSEN HENRIK HAUBERG) 21 January 1999 (1999-01-21) * page 5, line 10 - page 6, line 30; figures 2,3 *	1,2	INV. E04D13/03
X	US 4 703 596 A (SANDOW KIYOSHI [US]) 3 November 1987 (1987-11-03) * column 4, line 42 - column 5, line 46 * * abstract; figures 2,3,7 *	1	
X	DE 15 09 119 A1 (RASMUSSEN & CO V K) 12 June 1969 (1969-06-12) * page 3, paragraph 8 - page 4, paragraph 1; figures *	1	
A	EP 0 962 606 A (LAFARGE DAKPRODUKTEN B V [NL]) 8 December 1999 (1999-12-08) * figure 3 *	1	
A	FR 2 461 789 A (BLEFA AG [DE]) 6 February 1981 (1981-02-06)		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) E04D
Place of search The Hague		Date of completion of the search 26 November 2007	Examiner Kriekoukis, Sotirios
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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EPO FORM 1503 03.82 (P04C01)

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

EP 04 38 8082

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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26-11-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9902799	A	21-01-1999	AT 226995 T	15-11-2002
			AU 8333898 A	08-02-1999
			CZ 20000060 A3	13-12-2000
			DE 69809054 D1	05-12-2002
			DE 69809054 T2	17-07-2003
			DK 82597 A	09-01-1999
			EP 0994992 A1	26-04-2000
			HU 0004000 A2	28-04-2001
			PL 338074 A1	25-09-2000
			RU 2196867 C2	20-01-2003
			SK 42000 A3	11-07-2000

US 4703596	A	03-11-1987	NONE	

DE 1509119	A1	12-06-1969	DE 1890377 U	02-04-1964

EP 0962606	A	08-12-1999	NL 1009317 C2	07-12-1999

FR 2461789	A	06-02-1981	DE 2929604 A1	29-01-1981
			DK 302680 A	22-01-1981
			NL 8003931 A	23-01-1981
