



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 055 785 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**23.05.2001 Bulletin 2001/21**

(51) Int. Cl.<sup>7</sup>: **E04D 3/08**, E04D 3/14,  
E04D 3/28, E04C 2/54

(43) Date of publication A2:  
**29.11.2000 Bulletin 2000/48**

(21) Application number: **99310092.4**

(22) Date of filing: **15.12.1999**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **22.05.1999 GB 9911903**

(71) Applicant:  
**Twinwall Fixings (UK) Limited**  
**Warrington, Cheshire, WA3 6NJ (GB)**

(72) Inventor: **Kindon, Rodney**  
**Warrington, Cheshire WA2 0EL (GB)**

(74) Representative:  
**Walker, Ross Thomson et al**  
**Potts, Kerr & Co.**  
**15 Hamilton Square**  
**Birkenhead, Merseyside CH41 6BR (GB)**

(54) **A glazing panel**

(57) The present invention provides a multi-walled glazing panel (10) which, in use, is attached at either side thereof to a support structure (20,30,40), the multi-walled glazing panel (10) including a plurality of horizontal sheet members (11) separated from one another by vertical interconnecting walls (12), such vertical interconnecting walls (12) defining channels (13) running

along the length of the multi-walled glazing panel (10) characterised in that the sides of the multi-walled glazing panel (10) that are attachable to the support structure (20,30,40) are reinforced. The present invention also provides a method of attaching a multi-walled glazing panel (10) to a support structure (20,30,40).

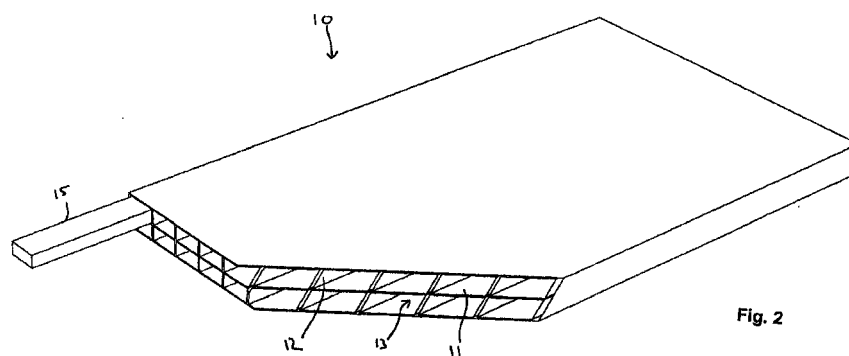


Fig. 2

EP 1 055 785 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 99 31 0092

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)
A	FR 2 495 999 A (MACOPLAST MR SRL) 18 June 1982 (1982-06-18) * figure 1 *	1,2	E04D3/08 E04D3/14 E04D3/28 E04C2/54
D,A	EP 0 473 321 A (MCALLISTER ANDREW ;DANZIG BARRY VAN (GB); SMITH CALVIN CLIVE (GB)) 4 March 1992 (1992-03-04) * figures 1-3 *	1	
A	WO 96 10119 A (PLASTMO AS ;JENSEN HENRIK HOTHER (GB)) 4 April 1996 (1996-04-04) * figure 4 *	1,2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E04D E04C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		5 April 2001	Hendrickx, X
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			

EPO FORM 1503 03/82 (P04C01)

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

EP 99 31 0092

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-04-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2495999 A	18-06-1982	BE 891293 A	16-03-1982
		DE 8134680 U	01-07-1982
EP 0473321 A	04-03-1992	AT 121488 T	15-05-1995
		DE 69109025 D	24-05-1995
		DE 69109025 T	21-12-1995
		DK 473321 T	04-09-1995
WO 9610119 A	04-04-1996	DK 111694 A	29-03-1996
		AU 3517595 A	19-04-1996
		GB 2310225 A,B	20-08-1997