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(54) **Mechanical joint for frames and transoms**

(57) A joining piece (30) and a method of using the joining piece for joining together a first (2) and a second (12) elongate profile at an angle, the second elongate profile (12) having a tubular section is described. The joining piece (30) is adapted for fixing, e.g. clipping, to the first elongate profile (2) and the joining piece is inserted in the tubular section at an end of the second elongate profile (12) or the tubular section at an end of the second profile is inserted in the joining piece. The

tubular section of the second elongate profile (12) is inserted into the joining piece (30) or the joining piece (30) is inserted into the tubular section of the second profile (12) in a direction perpendicular to the longitudinal direction of the second profile. Preferably, the joining piece (30) has a cam surface which rides on the end of the second elongate profile to push the first elongate profile (2) away from the end of the second elongate profile (12) to thereby allow the second elongate profile to clip into the first elongate profile.

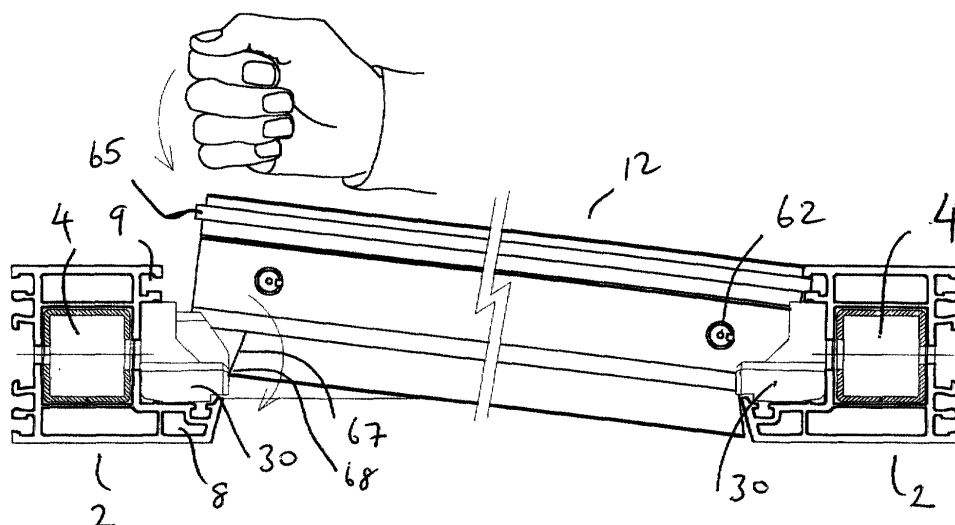


Fig. 14



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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 20 1863

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A	DE 43 20 284 A (SFS IND HOLDING AG) 22 December 1994 (1994-12-22) * abstract; figure 1 *	1-16	
A	DE 197 45 750 A (GROTEFELD HANS DIETER) 6 May 1999 (1999-05-06) * abstract; figure 1 *	1-16	
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E06B
The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>8 October 2002</b>	Examiner <b>Kofoed, P</b>
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  
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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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