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(54) Device and method to fasten a removable cross piece, a so called glazing bar

(57) Device and method to fasten a removable cross piece, a so called glazing bar (2), against a door or window frame or similar frame piece (3) which is cased with a frame profile (4). The device is a clip (1), which includes a male element that is designed to cooperate with the standard solutions existing by the glazing bars (2) for the attachment between the clip (1) and the glazing bar (2). The clip (1) includes a base surface (7) with a tie-back (8) which is arranged to be fitted in between the frame profile (4) and the seal (5), and that the tie-back (8) is

arranged to grip around the corner (15) of the frame profile (4) whereby the clip (1) is in engagement between the frame profile (4), and the seal (5). In that way sufficient friction and engagement between the frame profile (4) and the seal (5) is obtained when the clip (1) is fitted in between the frame profile (4) and the seal (5), which in turn results in that the glazing bars (2) in its mounted position don't moves out of its position along the frame profile (4) when the clip (1) is loaded by the own weight of the glazing bars (2).

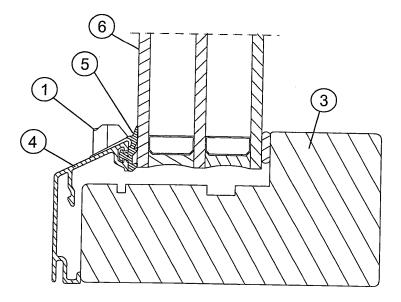


Fig. 3a

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Category

EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document with indication, where appropriate, of relevant passages

Application Number

EP 11 00 2162

CLASSIFICATION OF THE APPLICATION (IPC)

Relevant

to claim

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	X A	WO 03/021071 A1 (SF KNUDSEN ROLF [NO]) 13 March 2003 (2003 * figures 2, 4, 5,	3-03-13)	S [NO];	1-4, 7-10,13 5,6,11,	INV. E06B1/36 E06B3/68
	Х	US 6 155 010 A (BEC AL) 5 December 2000 * figure 1 *	CKEN DONALD (2000-12-0	A [US] ET 95)	1	
	Α	US 4 586 306 A (WEE 6 May 1986 (1986-05 * figure 4 *		us])	8,13	
						TECHNICAL FIELDS SEARCHED (IPC)
						E06B
1		The present search report has				
		Place of search The Hague		completion of the search December 2016	161	ich, Saskia
EPO FORM 1503 03.82 (P04C01)	X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone cularly relevant if combined with anot ment of the same category nological background-written disclosure mediate document		T: theory or principle E: earlier patent docu after the filing date D: document cited in L: document cited for	underlying the ir ument, but publis the application other reasons	nvention hed on, or

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

16-12-2016

cit	Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO	03021071	A1	13-03-2003	NO WO	20014008 03021071	A A1	18-02-200 13-03-200
US	6155010	Α	05-12-2000	NONE			
US	4586306	A	06-05-1986	NONE			
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82