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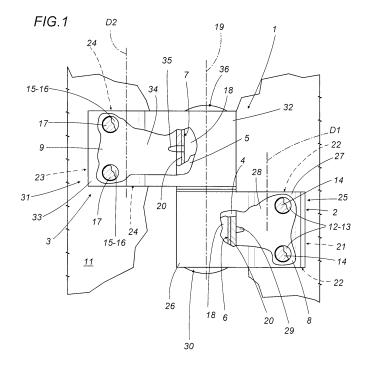
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(54) A hinge for door or window frames

(57) Described is a hinge for metal door or window frames where two hinge bodies (2, 3), each consisting of a tubular portion (4, 5) with a first hole (6, 7) through the centre of it and a flap (8, 9) for securing it to a mobile frame or fixed frame (10, 11), and a hinge pin (18) inserted coaxially in the first holes (6, 7). Each flap (8, 9) extends laterally from the respective tubular portion (4, 5) and has at least one second through hole (12, 15) in which an

element (14, 17) for securing the flap (8, 9) to the mobile frame or the fixed frame (10, 11) can pass. Each body (2, 3) of the hinge (1) is also equipped with a respective cap (25, 31) designed to hide the securing elements (14, 17) from view and having a first portion (26, 32) for covering the respective tubular portion (4, 5) and a second portion (27, 33) for covering the respective flap (8, 9), both these portions being joined as one in a single piece.



EP 1 624 146 A3



EUROPEAN SEARCH REPORT

Application Number EP 05 10 6994

		ERED TO BE RELEVANT			
Category	Citation of document with in of relevant passa	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
Υ	WO 98/41720 A (SAVI 24 September 1998 (* page 19, paragrap paragraph 3 *	1998-09-24)	1-9	INV. E05D11/00	
Υ	GB 2 381 291 A (WIN FIXING SU [GB]) 30 * page 6, line 5 - figures 2,9,10 *	April 2003 (2003-04-30)	1,2,4-9		
Υ	US 2 274 160 A (POR 24 February 1942 (1 * page 2, line 3 -		1-3		
				TECHNICAL FIELDS SEARCHED (IPC)	
	The present search report has b	oeen drawn up for all claims			
	Place of search	Date of completion of the search		Examiner	
	The Hague	18 April 2007	Gui	llaume, Geert	
X : part Y : part door A : tech O : non	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with another unent of the same category anological background twritten disclosure rmediate document	T : theory or principle E : earlier patent doc after the filing date D : document cited in L : document cited fo	underlying the in ument, but publise the application r other reasons	nvention shed on, or	

EPO FORM 1503 03.82 (P04C01)

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

EP 05 10 6994

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.

18-04-2007

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9841720	A	24-09-1998	EP IL IT PL TR	1009899 A1 131960 A T0970055 U1 335677 A1 9902277 T2	21-06-2000 12-03-2003 18-09-1998 08-05-2000 21-12-1999
GB 2381291	Α	30-04-2003	NONE		
US 2274160	Α	24-02-1942	NONE		

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