(11) **EP 2 189 615 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 03.08.2011 Bulletin 2011/31

(51) Int Cl.: **E05D 5/04** (2006.01)

E06B 9/04 (2006.01)

(43) Date of publication A2: 26.05.2010 Bulletin 2010/21

(21) Application number: 09176327.6

(22) Date of filing: 18.11.2009

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR
Designated Extension States:
AL BA RS

(30) Priority: 19.11.2008 IT MI20082054

(71) Applicant: Alphacan S.p.A. 38057 Pergine Valsugana (IT)

(72) Inventors:

 Cazzolli, Alessandro 38060, Tenno (IT)

 Lever, Aldo 38066, Riva (IT)

 (74) Representative: Borsano, Corrado et al Notarbartolo & Gervasi S.p.A.
 Corso di Porta Vittoria, 9
 20122 Milano (IT)

(54) System for fixing supports for persian blinds and veneto-style shutters made of pvc

(57) The present invention relates to a system (10) for supporting and fixing door and window frames, in particular Persian blinds and Veneto-style shutters (usually made of PVC profiles). The systems for supporting and fixing of the type described comprise metal strip (11) supports, adapted to anchor the door and window frame to the masonry or to the walled frame which however cause, by effect of the different thermal capacity with respect to the materials constituting the door and window frame, a

heat transfer from them to the profile which over time damages the profile, and in particular damages the coating film which tends to deteriorate until detachment with consequent appearance and structural damage.

The system according to the present invention allows to simply and cost-effectively solve the drawbacks which affect the systems of known type because it entirely avoids contact of the strip with the profile constituting the door and window frame.

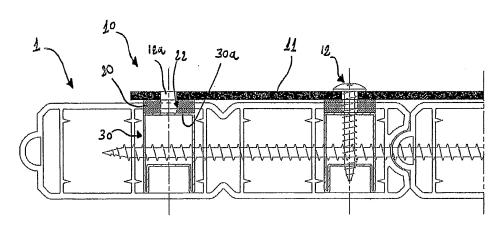


Fig. 4



EUROPEAN SEARCH REPORT

Application Number EP 09 17 6327

O-1-	Citation of document with inc	dication, where appropriate.	Relevant	CLASSIFICATION OF THE
Category	of relevant passa		to claim	APPLICATION (IPC)
Х	US 2 169 059 A (JOSI 8 August 1939 (1939 * figure 4 * * page 2, column 1, * page 2, column 1,		1-11	INV. E05D5/04 E06B9/04
Х	DE 101 38 371 C1 (D/ [DE]) 17 October 200 * figure 1 * * paragraph [0022]	AIMLER CHRYSLER AG 02 (2002-10-17) - paragraph [0028] *	1-4,9	
Х	DE 453 048 C (MAX El 26 November 1927 (19 * the whole documen	927-11-26)	1,2,4,8	,
Х	US 3 135 308 A (TAUS 2 June 1964 (1964-06 * figures 2,4 * * column 2, line 36	5-02)	1,2,4,9	
Х	DE 14 27 377 A1 (ILI 31 October 1968 (196 * figure 2 *		1,2,4,9	TECHNICAL FIELDS SEARCHED (IPC) E05D E06B
Х	EP 0 176 663 A1 (WI 9 April 1986 (1986-0 * figure 28 *	TTE & CO EWALD [DE]) 04-09)	1,2,4,9	F16B
X	EP 1 431 593 A1 (PAS [IT]) 23 June 2004 * figures 2,5,6 * * paragraph [0021]	,	1-4,9	
	The present search report has b	•		
	Place of search The Hague	Date of completion of the search 23 June 2011	Co	Examiner
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anothment of the same category inclogical background written disclosure rmediate document	E : earlier patent o after the filing er D : document cite L : document cite	d in the application d for other reasons	ished on, or

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

EP 09 17 6327

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.

23-06-2011

US 3037221 A 05-06-1 EP 0176663 A1 09-04-1986 DE 3436166 A1 10-04-1 JP 61092312 A 10-05-1	cite	atent document d in search report		Publication date		Patent family member(s)		Publicatio date
DE 453048 C 26-11-1927 NONE US 3135308 A 02-06-1964 NONE DE 1427377 A1 31-10-1968 GB 959278 A 27-05-1	US	2169059	Α	08-08-1939	NONE			
US 3135308 A 02-06-1964 NONE DE 1427377 A1 31-10-1968 GB 959278 A 27-05-1 US 3037221 A 05-06-1 EP 0176663 A1 09-04-1986 DE 3436166 A1 10-04-1 JP 61092312 A 10-05-1 US 4682906 A 28-07-1 EP 1431593 A1 23-06-2004 IT B020020138 U1 21-06-2	DE	10138371	C1	17-10-2002	NONE			
DE 1427377 A1 31-10-1968 GB 959278 A 27-05-1 US 3037221 A 05-06-1 EP 0176663 A1 09-04-1986 DE 3436166 A1 10-04-1 JP 61092312 A 10-05-1 US 4682906 A 28-07-1 EP 1431593 A1 23-06-2004 IT B020020138 U1 21-06-2	DE	453048	С	26-11-1927	NONE			
US 3037221 A 05-06-1 EP 0176663 A1 09-04-1986 DE 3436166 A1 10-04-1 JP 61092312 A 10-05-1 US 4682906 A 28-07-1 EP 1431593 A1 23-06-2004 IT B020020138 U1 21-06-2	US	3135308	Α	02-06-1964	NONE			
JP 61092312 A 10-05-1 US 4682906 A 28-07-1 EP 1431593 A1 23-06-2004 IT B020020138 U1 21-06-2	DE	1427377	A1	31-10-1968				27-05-1 05-06-1
EP 1431593 A1 23-06-2004 IT B020020138 U1 21-06-2	EP	0176663	A1	09-04-1986	JР	61092312 4682906	Α	10-04-1 10-05-1 28-07-1
	EP	1431593	A1	23-06-2004	ΙΤ		U1	21-06-2
ore details about this annex : see Official Journal of the European Patent Office, No. 12/82								