



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.05.2012 Bulletin 2012/22

(51) Int Cl.:
E05F 5/02 (2006.01) **E05F 1/08 (2006.01)**
E05F 5/00 (2006.01)

(43) Date of publication A2:
20.05.2009 Bulletin 2009/21

(21) Application number: **08168879.8**

(22) Date of filing: **12.11.2008**

(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 MT NL NO PL PT RO SE SI SK TR
 Designated Extension States:
AL BA MK RS

(71) Applicant: **Agostino Ferrari S.p.A.**
24122 Bergamo (IT)

(72) Inventor: **Ferrari, Adelchi**
23848, Oggiono LC (IT)

(74) Representative: **Coletti, Raimondo et al**
Barzanò & Zanardo Milano S.p.A.
Via Borgonuovo, 10
20121 Milano (IT)

(30) Priority: **14.11.2007 IT MI20072168**

(54) **Controlled closure system for sliding furniture elements**

(57) A controlled closure system for a sliding element of a piece of furniture, comprises an elongated body (15) provided in which is a rectilinear groove (20) passing through the body and extended axially in the closure direction. An engagement element (16) slides along the groove (20) to move from a first idle position to a second closure position through the action of a spring (29). The engagement element (16) comprises abutment surfaces to delimit, between them, a seat (44) intended to accommodate a drawing projection (17) integral with the sliding

element. Suitable sliding surfaces between the engagement element (16) and the groove cause the rotation of the engagement element (16) when it is in the idle position in such a manner to lower the front abutment surface (48) towards a groove and allow the passage of the drawing projection (17) towards the closure until it pushes against the rear abutment surface and rotate the engagement element to raise the front abutment surface and draw the projection (17) towards the closed position of the sliding element of a piece of furniture.

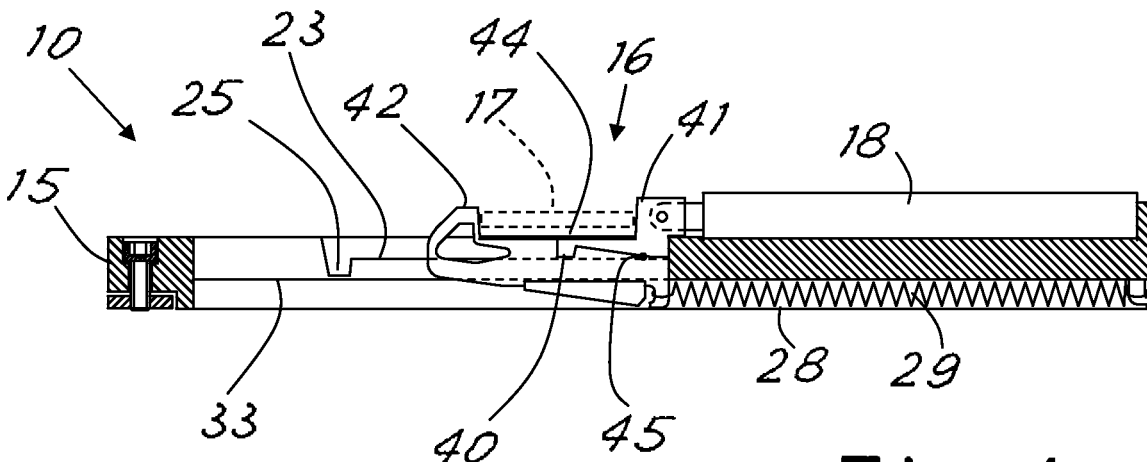


Fig.4



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

EUROPEAN SEARCH REPORT

Application Number
EP 08 16 8879

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 523 867 B1 (YEH SHUN-HSIANG [TW]) 25 February 2003 (2003-02-25)	1-3,8,9	INV. E05F5/02 E05F1/08 E05F5/00
Y	* column 2, lines 1-40 * * column 3, lines 2-22 * * figures 2-5 *	4-7	
Y	----- EP 1 700 985 A1 (RIOJA CALVO MIGUEL ANGEL [ES]) 13 September 2006 (2006-09-13)	4-7	
A	* page 6, line 51 - page 7, line 1 * * page 7, lines 46-57 * * figures 1,12-16 *	1-3,8,9	
A	----- DE 20 2004 018189 U1 (VAUTH SAGEL HOLDING GMBH & CO [DE]) 3 March 2005 (2005-03-03)	1-7,9	
A	* paragraphs [0022] - [0027] * * figures 1-4 *		
A	----- DE 203 11 795 U1 (ALFIT AG GOETZIS [AT]) 18 November 2004 (2004-11-18)	1-6,9	
A	* paragraphs [0026] - [0028] * * figures 2,4,5,8 *		
A,D	----- EP 0 391 221 A1 (BLUM GMBH JULIUS [AT]) 10 October 1990 (1990-10-10)	1-9	
	* column 3, line 9 - column 4, line 7 * * figures 3,4,6 *		

The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		23 April 2012	Wagner, Andrea
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	

1
EPO FORM 1503 03.82 (P04C01)

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

EP 08 16 8879

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.

23-04-2012

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6523867 B1	25-02-2003	NONE	
EP 1700985 A1	13-09-2006	AT 393282 T EP 1700985 A1 ES 2302263 T3	15-05-2008 13-09-2006 01-07-2008
DE 202004018189 U1	03-03-2005	AT 393584 T DE 202004018189 U1 EP 1658785 A1 ES 2305985 T3	15-05-2008 03-03-2005 24-05-2006 01-11-2008
DE 20311795 U1	18-11-2004	AT 392832 T DE 20311795 U1 EP 1648265 A1 ES 2303950 T3 US 2006238089 A1 WO 2005011438 A1	15-05-2008 18-11-2004 26-04-2006 01-09-2008 26-10-2006 10-02-2005
EP 0391221 A1	10-10-1990	AT 127667 T AT 393948 B CA 2013633 A1 DE 9007385 U1 DE 59009643 D1 EP 0391221 A1 ES 2076982 T3 JP 1815723 C JP 2286102 A JP 5023763 B	15-09-1995 10-01-1992 03-10-1990 23-05-1991 19-10-1995 10-10-1990 16-11-1995 18-01-1994 26-11-1990 05-04-1993