



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 959 214 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.09.2000 Bulletin 2000/36

(51) Int Cl.7: **E05D 7/12, E05D 5/02**

(43) Date of publication A2:
24.11.1999 Bulletin 1999/47

(21) Application number: **99201105.6**

(22) Date of filing: **08.04.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Brioschi, Edoardo**
20052 Monza (MI) (IT)

(74) Representative: **Ferroni, Filippo et al**
DRAGOTTI & ASSOCIATI SRL,
Galleria San Babila 4/C
20122 Milano (IT)

(30) Priority: **16.04.1998 IT MI980794**

(71) Applicant: **System Holz SPA**
22040 Cremona di Inverigo (Como) (IT)

(54) **Hinge for furniture having a snap engagement action, parallel to the mounting plane of the base plate**

(57) The invention relates to hinges for furniture, of the type having a snap engagement system for mounting a hinge arm (2) on a base plate (6).

In particular, the hinge (1) of the invention comprises an intermediate body (5) between the base plate (6) and the hinge arm (2), which intermediate body (5) is held on the central portion (60) of the base plate by a linear spring (7) or by a resiliently urged rocker arm.

According to a preferred form of the invention, the linear spring or the rocker arm is accommodated inside the central portion (60), while the intermediate body has, at the rear, a tail appendage (56) which is engaged by the linear spring or the rocker arm.

The snap engagement system so formed is operated in a plane parallel to the mounting plane of the base plate (6), thereby resulting protected and taking up little space.

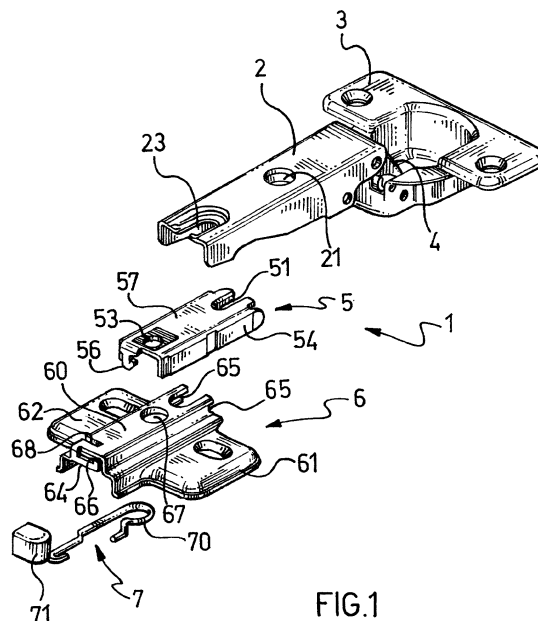


FIG.1

EP 0 959 214 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 20 1105

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 255 692 A (SALICE ARTURO SPA) 10 February 1988 (1988-02-10)	1	E05D7/12 E05D5/02
Y	* page 7, paragraph 2 - page 8, paragraph 4; figures 2,3,5,6 *	8,9,13	

Y	US 4 430 771 A (SALICE LUCIANO) 14 February 1984 (1984-02-14)	8,9,13	
	* column 8, line 36 - column 9, line 7; figures 9-18 *		

X	DE 92 12 492 U (PRAEMETA) 27 January 1994 (1994-01-27)	1,8	
A	* page 5, paragraph 2 - page 7, paragraph 1; figures 1-5 *	2,9,11-13	

A	US 4 703 539 A (LAUTENSCHLAEGER GERHARD ET AL) 3 November 1987 (1987-11-03)	3-6	
	* column 4, line 23 - column 5, line 47; figures 1-3 *		

			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E05D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 July 2000	Examiner Guillaume, G
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03/82 (P04C01)

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

EP 99 20 1105

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.

13-07-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0255692 A	10-02-1988	AT 71175 T DE 3775652 A	15-01-1992 13-02-1992
US 4430771 A	14-02-1984	DE 3026796 A DE 3039328 A AT 5910 T BR 8104506 A DD 202062 A DE 3161939 D EP 0043903 A ES 503950 D ES 8205513 A JP 57047007 A	28-01-1982 06-05-1982 15-02-1984 30-03-1982 24-08-1983 23-02-1984 20-01-1982 16-06-1982 16-10-1982 17-03-1982
DE 9212492 U	27-01-1994	NONE	
US 4703539 A	03-11-1987	DE 3532650 A AT 394082 B AT 154386 A IT 1215174 B	26-03-1987 27-01-1992 15-07-1991 31-01-1990

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82