(11) **EP 1 028 224 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **25.09.2002 Bulletin 2002/39**

(51) Int Cl.7: **E06B 9/86**, E06B 9/171

(43) Date of publication A2: 16.08.2000 Bulletin 2000/33

(21) Application number: 99202564.3

(22) Date of filing: 04.08.1999

(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

(30) Priority: 10.02.1999 IL 99128469

(71) Applicant: Jolly Motor International S.p.A. 38068 Rovereto (IT)

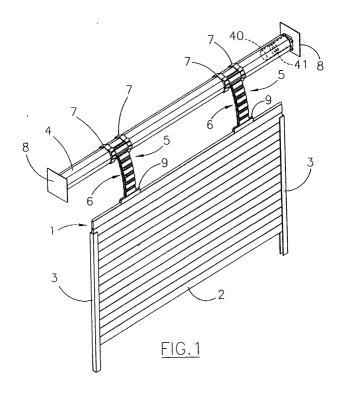
(72) Inventor: Barak, Michael Haifa (IL)

(74) Representative: Mittler, Enrico c/o Mittler & C. s.r.l.,
Viale Lombardia, 20
20131 Milano (IT)

(54) Roller shutter with automatic locking in closing position

(57) Roller shutter comprising a roller gate (1), a revolving axle (2) to which the roller gate (1) is connected by chain connection means (5) which allow the winding of the roller gate (1) about the revolving axle (4), and an electric motor (40) or other means to control the rotation of the revolving axle (4). The chain connection means

(5) are formed by segments (9, 13) which are hingedly connected to rotate with respect to each other of a very little angle and braking means (41) for the revolving axle are provided which co-operate with the chain connection means (5) in order to prevent a lifting of the roller shutter (1) by forces acting from the bottom.





EUROPEAN SEARCH REPORT

Application Number EP 99 20 2564

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
X	EP 0 889 194 A (SOCREDI 7 January 1999 (1999-01 * column 3, line 39 - c figures 2,4A,4B *	07)	1-5	E06B9/86 E06B9/171	
X	EP 0 731 247 A (HENKENJ 11 September 1996 (1996 * column 1, line 3 - co figure 4 *	5-09-11)	1-5		
X	FR 2 415 714 A (WOLF JE 24 August 1979 (1979-08 * the whole document *		1		
A	FR 2 375 426 A (BUDENDO 21 July 1978 (1978-07-2 * the whole document *		1–4		
		,		TECHNICAL FIELDS SEARCHED (Int.Cl.7)	
				E06B (Int.CI.7)	
	The present search report has been o	frawn up for all claims			
	Place of search	Date of completion of the search	Examiner Baath, S		
	MUNICH	30 July 2002			
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		E : earlier patent docu after the filing date D : document cited in L : document cited for	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 8: member of the same patent family, corresponding		

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

EP 99 20 2564

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.

30-07-2002

Patent document cited in search report		Publication date		Patent family member(s)		Publication date	
EP	0889194	Α	07-01-1999	FR EP	2765616 0889194		08-01-1999 07-01-1999
EP	0731247	A	11-09-1996	DE DE AT DE EP ES PL	29519785 191956 59604980 0731247	T D1 A2 T3	11-04-1996 23-01-1997 15-05-2000 25-05-2000 11-09-1996 16-06-2000 16-09-1996
FR	2415714	A	24-08-1979	FR CH DE	2415714 628952 2902935	A5	24-08-1979 31-03-1982 02-08-1979
FR	2375426	Α	21-07-1978	FR	2375426	A1	21-07-1978

FORM P0459

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