



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 241 309 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
15.06.2005 Bulletin 2005/24

(51) Int Cl.7: **E05D 15/06**

(43) Date of publication A2:
18.09.2002 Bulletin 2002/38

(21) Application number: **01130522.4**

(22) Date of filing: **21.12.2001**

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

(72) Inventor: **Zappa, Roberto, Dr.-Ing.**
24046 Osio Sotto, Bergamo (IT)

(74) Representative:
Klingseisen, Franz, Dipl.-Ing. et al
Patentanwälte,
Dr. F. Zumstein,
Dipl.-Ing. F. Klingseisen,
Postfach 10 15 61
80089 München (DE)

(30) Priority: **15.03.2001 IT MI010145 U**

(71) Applicant: **SEMATIC ITALIA S.p.A.**
24046 Osio Sotto, (Bergamo) (IT)

(54) **Sliding device for elevator doors**

(57) Sliding device for door leaves (10) of elevators, which is fitted in the region of one or both of the upper and/or lower guides for the movement of opening and closing of the door leaves, wherein the sliding device comprises at least one linear sliding bearing (22, 22') or a linear ball bearing (33, 35).

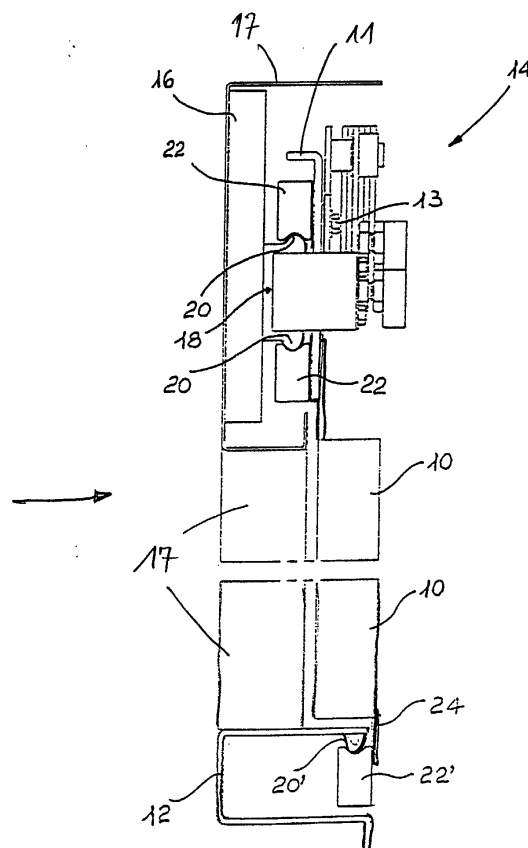


FIG. 1

EP 1 241 309 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 13 0522

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.7)
X	GB 1 000 916 A (CLIVE INVESTMENTS PTY. LIMITED) 11 August 1965 (1965-08-11) * figures *	1,2,5	E05D15/06 E05D15/06
A	-----	3	
X	US 3 615 144 A (GORDON J. PLEMENG) 26 October 1971 (1971-10-26) * column 4, line 15 - line 60; figure 3 *	1,2	
X	----- EP 0 559 988 A (OTIS ELEVATOR COMPANY) 15 September 1993 (1993-09-15) * figures 3-5 *	1	
X	----- DE 44 20 646 A1 (THYSSEN AUFZUEGE GMBH, 73765 NEUHAUSEN, DE; THYSSEN AUFZUGSWERKE GMBH) 21 December 1995 (1995-12-21) * column 3, line 4 - column 4, line 20; figures 1,2 *	1	
X	----- GB 594 721 A (LOCKERBIE & WILKINSON LIMITED; ARTHUR EDWARD JOHN WALFORD) 18 November 1947 (1947-11-18) * figures *	1,4	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	----- US 1 650 435 A (DISBRO ROGER W) 22 November 1927 (1927-11-22) * the whole document *	1,6-8	E05D B66B
X	----- US 1 568 270 A (CROSS STOUGHTON P) 5 January 1926 (1926-01-05) * figures *	1,6	
X	----- US 1 832 203 A (GUSSACK NATHAN A) 17 November 1931 (1931-11-17) * figures *	1,6	
X	----- US 1 461 249 A (MCGEE OSCAR P) 10 July 1923 (1923-07-10) * page 1, line 48 - line 73; figures 3,4 *	1,6	
	----- -/--		
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 April 2005	Examiner Di Renzo, R
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 (P04001)



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 13 0522

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.7)
A	DE 198 27 918 A1 (BRUNTON, STEPHEN KENNETH, TINGLEY, GB) 7 January 1999 (1999-01-07) * figure 1 * -----	3	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 April 2005	Examiner Di Renzo, R
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 01 13 0522

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.

22-04-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1000916	A	11-08-1965	NONE	
US 3615144	A	26-10-1971	NONE	
EP 0559988	A	15-09-1993	FR 2685313 A1	25-06-1993
			AT 134975 T	15-03-1996
			DE 69208864 D1	11-04-1996
			DE 69208864 T2	24-10-1996
			EP 0559988 A1	15-09-1993
			ES 2086699 T3	01-07-1996
			HU 64728 A2	28-02-1994
			RU 2095304 C1	10-11-1997
DE 4420646	A1	21-12-1995	NONE	
GB 594721	A	18-11-1947	NONE	
US 1650435	A	22-11-1927	NONE	
US 1568270	A	05-01-1926	NONE	
US 1832203	A	17-11-1931	NONE	
US 1461249	A	10-07-1923	NONE	
DE 19827918	A1	07-01-1999	GB 2326662 A	30-12-1998
			IT BG980034 A1	24-02-1999