



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
18.07.2001 Bulletin 2001/29

(51) Int Cl.7: **E06B 7/20, E06B 7/215**

(43) Date of publication A2:
19.05.1999 Bulletin 1999/20

(21) Application number: **98121327.5**

(22) Date of filing: **10.11.1998**

(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: **Geron, Luigi**
35010 Villa Del Conte (PD) (IT)

(74) Representative: **Forattini, Amelia et al**
c/o Internazionale Brevetti
Ingg. ZINI, MARANESI & C. S.r.l.
Piazza Castello 1
20121 Milano (IT)

(30) Priority: **11.11.1997 IT VI970196**

(71) Applicant: **Geron, Luigi**
35010 Villa Del Conte (PD) (IT)

(54) **Automatically-orientating actuation pushbutton for automatic draft stopper and draft stopper provided with the pushbutton**

(57) A draft stopper with an automatically-orientating actuation pushbutton includes a fixed profiled member (2) and a movable profiled member (4) which is slidably connected to the fixed profiled member (2) and is provided with a sealing means (G) adapted to interact with the floor (P), and a means (12) for the translatory motion of the movable profiled member (4) with respect to the fixed profiled member (2) which includes a pusher (12) and an actuation pushbutton (20) arranged at the end of the pusher (12) that protrudes from the lateral

edge of the door in order to co-operate with the door-jamb. The actuation pushbutton (20) includes a sleeve (21) for connection to the pusher (12) and a pusher stud (22) which is coupled to the sleeve (21) by means of a homokinetic universal joint (24,25). The universal joint (24,25) includes a convex head (24) which is rigidly coupled to the connecting sleeve (21) and a concave seat (25) which is rigidly coupled to the pusher stud (22) or vice versa and has a complementary and preferably spherical shape.

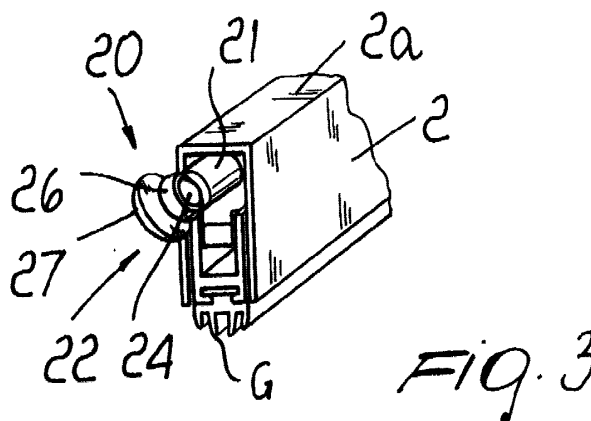


Fig. 3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 12 1327

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)
Y	US 4 089 136 A (RICHARD LAPINSKI ET AL.) 16 May 1978 (1978-05-16) * abstract *	1-6,10	E06B7/20 E06B7/215
A	* column 1, line 40 - line 46 * * column 3, line 7 - line 27; figures 1,3,4,7 *	7-9	
Y	WO 85 04741 A (NCR CORPORATION) 24 October 1985 (1985-10-24) * abstract *	1-6,10	
	* page 7, line 22 - page 9, line 35; claims 1-6; figure 2 *		
A	GB 625 475 A (DAVID EDWARD DAVIES ET AL.) 28 June 1949 (1949-06-28) * page 3, line 42 - line 68; figures 1,7,8 *	1,2,7-10	
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) -& JP 09 006455 A (HITACHI CONSTR MACH CO LTD), 10 January 1997 (1997-01-10) * abstract; figures 1-3 *	1-7,10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) E06B
A	FR 2 534 622 A (MULLER CARRANZA LUDWIG) 20 April 1984 (1984-04-20) * abstract * * page 2, line 26 - page 3, line 8; figures 5-8 *	1-10	
T,D	EP 0 915 226 A (GERON, LUIGI) 12 May 1999 (1999-05-12) * abstract * * column 4, line 10 - line 25; figures 1,5,7 *	1-10	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 22 May 2001	Examiner Cuny, J-M
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	

EPO FORM 1503 03 82 (P04C01)

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

EP 98 12 1327

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.

22-05-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4089136 A	16-05-1978	NONE	
WO 8504741 A	24-10-1985	US 4593895 A CA 1239909 A DE 3563661 D DE 177569 T EP 0177569 A JP 61501770 T	10-06-1986 02-08-1988 11-08-1988 25-09-1986 16-04-1986 21-08-1986
GB 625475 A	28-06-1949	NONE	
JP 09006455 A	10-01-1997	NONE	
FR 2534622 A	20-04-1984	NONE	
EP 0915226 A	12-05-1999	IT VI970185 A	03-02-1998

EPO FORM P0459

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