



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 940 544 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
05.11.2003 Bulletin 2003/45

(51) Int Cl.7: **E05D 15/26, E05D 15/06**

(43) Date of publication A2:
08.09.1999 Bulletin 1999/36

(21) Application number: **99500035.3**

(22) Date of filing: **05.03.1999**

(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: **Tarrega Lloret, Miguel Angel**
08017 Barcelona (ES)

(74) Representative: **Davila Baz, Angel**
c/o Clarke, Modet & Co.,
Goya, 11
28001 Madrid (ES)

(30) Priority: **06.03.1998 ES 9800482**

(71) Applicant: **KLEIN IBERICA, S.A.**
E-08024 Barcelona (ES)

(54) **Folding door**

(57) Folding door, consisting of two leaves (1, 2) jointed to each other by hinges (5) and to frame (3) by hinges (4) by one of the leaves (2). The other leaf (1) has attached to its free comers guides (6, 7) consisting of a case in which is housed a core which partially projects out in a part which forms a shoe (25) with a lower diametrical lug (27). This core consists of two cylindrical segments of different diameters (23 and 24). Segment (23) of smaller diameter defines a lateral lever (32, 33, 34) against which rests a pin (22) attached to the guide case.

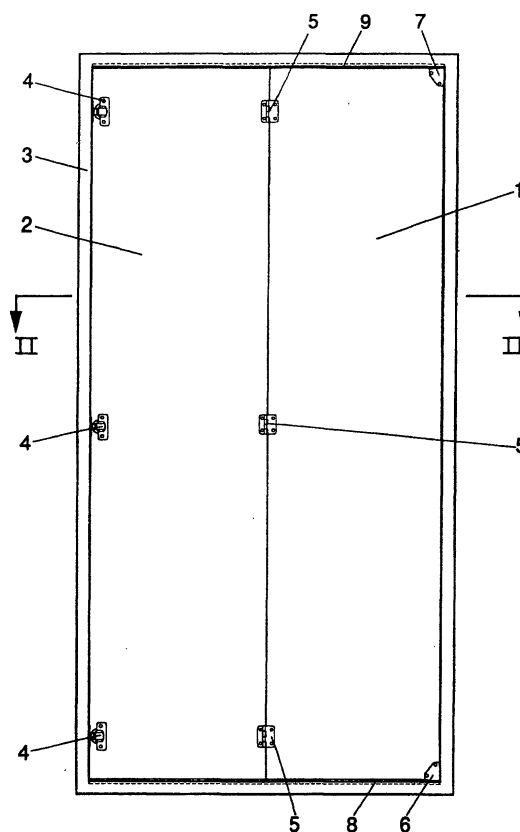


Fig. 1

EP 0 940 544 A3

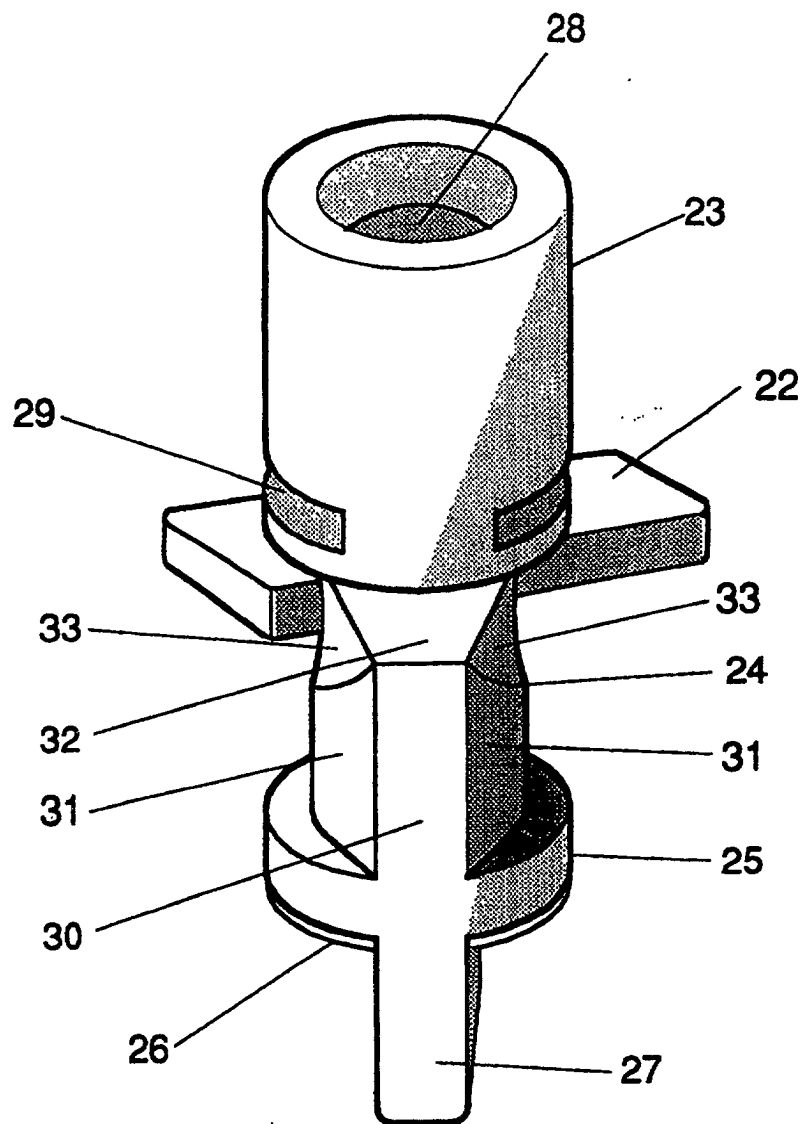


Fig. 9



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 50 0035

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)
A	US 4 064 590 A (SMITH LESTER L) 27 December 1977 (1977-12-27) * column 4, line 51 - column 7, line 8; claim 1; figures 1-6 *	1-6	E05D15/26 E05D15/06
A	DE 297 01 260 U (HETTICH HEINZE GMBH & CO KG) 10 April 1997 (1997-04-10) * page 4, line 3 - page 5, line 19; claims 1-4; figures 1-5 *	1-6	
A	US 5 042 555 A (OWENS N DOUGLAS) 27 August 1991 (1991-08-27) * column 3, line 37 - column 5, line 12; claims 1,2; figures 1-4 *	1-6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			E05D
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		5 September 2003	Balice, 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 99 50 0035

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.

05-09-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4064590	A	27-12-1977	NONE	

DE 29701260	U	10-04-1997	DE 29701260 U1	10-04-1997
			DE 59708714 D1	19-12-2002
			EP 0855487 A1	29-07-1998

US 5042555	A	27-08-1991	AT 131247 T	15-12-1995
			AU 652212 B2	18-08-1994
			AU 9142691 A	20-05-1992
			CA 2092099 C	14-05-1996
			DE 69115288 D1	18-01-1996
			DE 69115288 T2	02-05-1996
			EP 0551443 A1	21-07-1993
			WO 9207157 A1	30-04-1992

EPO FORM P0459

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