



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 872 620 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
29.09.1999 Bulletin 1999/39

(51) Int Cl.⁶: **E06B 3/70**

(43) Date of publication A2:
21.10.1998 Bulletin 1998/43

(21) Application number: **98500091.8**

(22) Date of filing: **17.04.1998**

(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) Inventors:
• **Hurtado Torres, Juan Carlos**
29220 Antequera, Malaga (ES)
• **Hurtado Torres, Juan Manuel**
29220 Antequera, Malaga (ES)

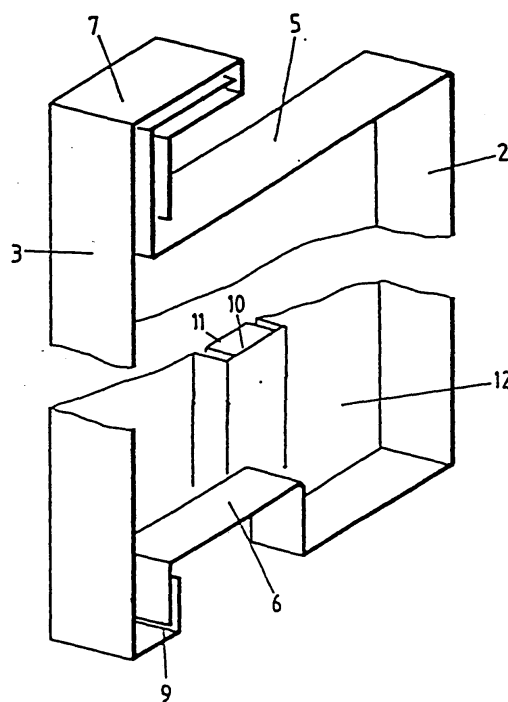
(30) Priority: **17.04.1997 ES 9701023 U**
17.04.1997 ES 9701025 U

(74) Representative:
Urizar Anasagasti, José Antonio
Puerto Rico 6A, Bajo
28016 Madrid (ES)

(71) Applicant: **Puertas THT, S.L.**
29200 Antequera (Malaga) (ES)

(54) **Improved metal door**

(57) The object of present invention refers, as the title indicates, to an improved metal door which consists of a leaf (1) made up by two panels or plates (2,3) connected to each other, one inside the other, with a space between them, like a chamber, which is to be filled with an adequate insulating material and of a metal frame (13) like that used for security doors provided with a set of hinges attached to the door leaf (1) side edge which allows fastening door leaf to frame and making it possible pivoting said door leaf between two end positions.



SECTION [C-D]
FIG. 3

EP 0 872 620 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 98 50 0091

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	DE 39 05 886 A (ROSTOCK SCHIFFBAU IND KOOP) 7 December 1989 * column 4, line 42 - line 55 * * column 5, line 23 - line 31 * * column 6, line 51 - line 60 * * figures 5,6 *	1,2	E06B3/70
A	FR 2 713 693 A (GROLLEAU) 16 June 1995 * abstract * * page 5, line 9 - line 11 * * page 5, line 33 - line 35 * * figures *	1	
A	US 4 171 599 A (LIPP XAVER) 23 October 1979 * the whole document *	1	
P,A	DE 196 49 443 A (PUERTAS PADILLA S L) 19 June 1997 * abstract * * column 4, line 28 - column 6, line 52 * * figures 2,6 *	1	
A	DE 29 36 787 B (GREBAU) 25 September 1980 * column 2, line 63 - line 34 * * column 4, line 12 - line 17 * * figure 12 *	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 August 1999	Examiner Verdonck, B
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 50 0091

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.

10-08-1999

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3905886	A	07-12-1989	DD 282824 A	26-09-1990
FR 2713693	A	16-06-1995	NONE	
US 4171599	A	23-10-1979	NONE	
DE 19649443	A	19-06-1997	ES 2127088 A	01-04-1999
			ES 2130904 A	01-07-1999
			FR 2741654 A	30-05-1997
			IT T0960216 A	19-09-1997
			IT T0970064 A	29-07-1998
DE 2936787	B	25-09-1980	NONE	

EPO FORM P0458

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