

12

EUROPEAN PATENT APPLICATION

21 Application number: **84201745.1**

51 Int. Cl.⁴: **E 05 D 7/14**
E 05 D 3/06

22 Date of filing: **27.11.84**

30 Priority: **30.11.83 IT 2370783 U**

43 Date of publication of application:
19.06.85 Bulletin 85/25

88 Date of deferred publication of search report: **14.05.86**

84 Designated Contracting States:
BE LU NL

71 Applicant: **LIPS VAGO SOCIETA PER AZIONI**
Strada Padana Superiore, 4
I-20063 Cernusco Sul Naviglio Milan(IT)

72 Inventor: **Peghetti, Ferruccio Giorgio**
Viale Assunta 57
Cernusco Sul Naviglio Milan(IT)

74 Representative: **Obae, Robert William**
Manor House Manor Lane
Feltham Middlesex TW13 4JQ(GB)

54 **Hinging device for security enclosure door.**

57 The water-tight door 10 of a safe or strongroom is hung on two double-articulated hinges 12, 13 (Figure 1). Each hinge includes an intermediate element 18, 18A connected by a pivot pin 19, 19A to a mounting block 16, 16a on the door frame 11, and also connected by a pivot pin 20, 20A to a second block 17, 17A on the door itself. This articulated connection permits, firstly, swinging of the door about the axis of the pins 19, 19a when it is opened and closed. Secondly when closed the door is clenched inwards against a sealing strip 52 by throwing a series of tapered bolts 54

(Figure 3), in so doing the intermediate hinge elements 18, 18A turning slightly relative to the door about the pins 20, 20A. In the upper hinge 12 a compensation spring 40 (Figure 5) acts between the intermediate element 18 and the door block 17 so as to keep these parts rotated relative to one another in the direction opposite to the relative rotation performed during clenching. By this means the tendency of the door to twist under its own weight on the double hinges is resisted.

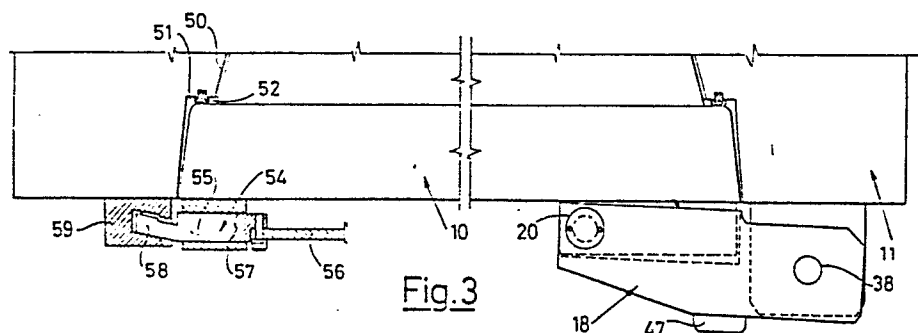


Fig.3



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. 4)
A	US-A-2 208 310 (D.C.E. LEONARD) * Figures 1-4; page 1, column 2, line 46 - page 2, column 1, line 62 *	1-3	E 05 D 7/14 E 05 D 3/06
A	GB-A- 254 061 (F.J. WINEBERG) * Figures 1-3; page 2, lines 57-76, 99-102 *	1, 2	
A, P	EP-A-0 095 743 (OY EURAMECANO AB) * Figures 1, 2; page 4, line 32 - page 5, line 12 *	1	
A	FR-A-1 256 020 (SOCIETE FICHET, BEAU, HUPPERT & CIE) * Figures 8-10; page 2, column 2, lines 27-50 *	11	TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
A	FR-A- 928 207 (SOCIETE DES COFFRES FORTS BAUCHE) -----		E 05 D E 05 G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-02-1986	Examiner SCHEIBLING C.D.A.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			