



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 682 346 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
30.10.1996 Bulletin 1996/44

(51) Int. Cl.⁶: **H01B 17/30**

(43) Date of publication A2:
15.11.1995 Bulletin 1995/46

(21) Application number: **95201228.4**

(22) Date of filing: **11.05.1995**

(84) Designated Contracting States:
**AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL
PT SE**

(30) Priority: **13.05.1994 IT MI940956**

(71) Applicant: **VEI Electric Systems S.p.A.
I-20075 Lodi (IT)**

(72) Inventor: **Vaghini, Alberto
I-29100 Piacenza (IT)**

(74) Representative: **Faraggiana, Vittorio, Dr. Ing.
Ingg. Guzzi & Ravizza S.r.l.
Via Vincenzo Monti 8
20123 Milano (IT)**

(54) **Plate casing having sealingly-mounted through insulators and manufacturing method**

(57) A method of sealingly mounting electric insulators passing through a plate wall, in particular for the manufacture of a housing case (10) for electric disconnecting switches, comprises the steps of making a collar (14) projecting from the plate at a passage hole (13) for the insulator; fitting the insulator (12) into the hole in the direction of the collar (14) projection so as to bring, upon interposition of a seal (18), an abutment edge (15) radially projecting from the insulator against an edge of the hole on the side opposite to the collar projecting

side; bending the free end of the collar inwardly, forming a locking angle and forcing said end into a circumferential seating (16) present in the insulator surface so as to prevent the insulator from being withdrawn from the hole. In this manner a plate casing (10) for an electric apparatus is achieved which has an excellent tightness between the casing wall and the insulators passing therethrough.

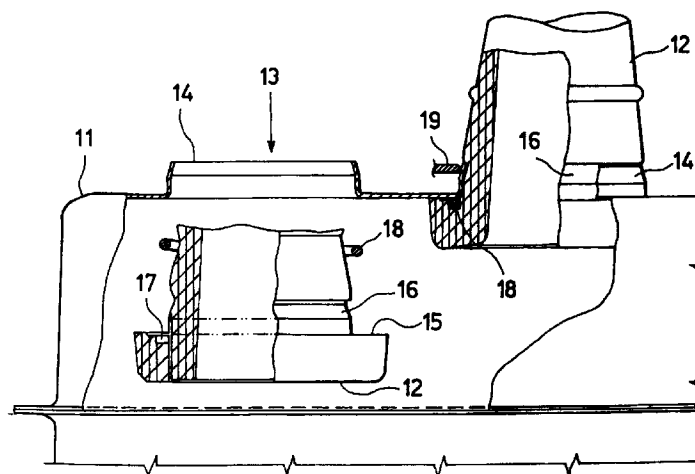


Fig. 2

EP 0 682 346 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 20 1228

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-A-4 492 817 (SELBY DONALD W) 8 January 1985 * claims; figures *	1	H01B17/30
A	US-A-5 249 982 (FUNCK GORDON W ET AL) 5 October 1993 * claims; figures *	1	
A	FR-A-1 049 178 (CGT) 28 December 1953 * claims; figures *	1	
A	US-A-3 009 013 (E.J.RAUE) 14 November 1961 * claims; figures *	1	
A	US-A-2 896 008 (F.A.PUTZ) 21 July 1959 * claims; figures *	1	
A	US-A-3 978 277 (TURNIER ROBERT H) 31 August 1976 * claims; figures *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01B
Place of search		Date of completion of the search	Examiner
THE HAGUE		27 August 1996	Pfahler, 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			

EPO FORM 1503 03.82 (P04C01)