

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 0 700 130 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
11.12.1996 Bulletin 1996/50

(51) Int Cl.⁶: **H01R 23/10**, H01R 13/52,
 H01R 13/58, H01R 13/46

(43) Date of publication A2:
06.03.1996 Bulletin 1996/10

(21) Application number: **95830367.9**

(22) Date of filing: **25.08.1995**

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

(72) Inventor: **Teagno, Vladimiro**
I-10137 Turin (IT)

(30) Priority: **31.08.1994 IT TO940175 U**

(74) Representative: **Bazzichelli, Alfredo et al**
c/o Società Italiana Brevetti S.p.A.
Piazza di Pietra, 39
00186 Roma (IT)

(71) Applicant: **COGIP S.R.L.**
I-10090 Cascine Vica Rivoli (IT)

(54) Electrical connector for electrovalves

(57) An electrical connector suitable for electrical connection to electrovalves for the control of fluids (air, gases, vapours, liquids etc.) having blade-like connection contacts.

The invention consists in providing a connector having elastic, self-cleaning sliding contacts with termination with screw terminal with possibility of soldering or pressure connection by means of insulation displacement of the wire, protected connection of the electronic components assembled on the printed circuit-board, internal arrangement of a luminous device (LED), transmission of the light to the exterior with visibility of the same at any angle, a captive sealing member, an "olive" cable locking seal, a clamp for locking the cable with elastic segments having a high tensile strength, a male exit threading for adapters and ring nut of several types that can be locked without the use of wrenches, connection outlet for circular connectors, snap-on tag for marking and identification of the connector.

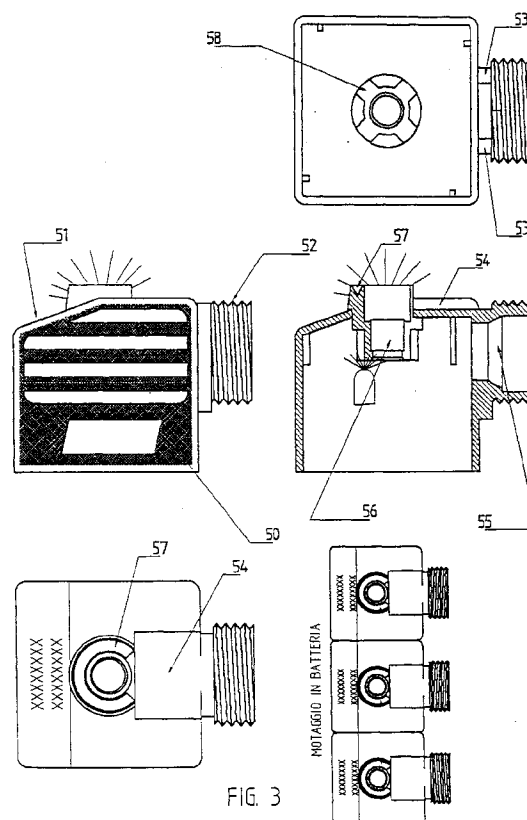


FIG. 3

EP 0 700 130 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 95 83 0367

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-A-4 736 177 (VOLLMER DAVID J ET AL) 5 April 1988 * column 1 - column 4; figures 1,2 *	1,2,6-10	H01R23/10 H01R13/52 H01R13/58 H01R13/46
Y	DE-C-36 25 986 (HARTING ELEKTRONIK GMBH) 7 January 1988 * column 1, line 44 - column 4; figures 1-4 *	1,2,6-10	
A	DE-C-43 07 350 (TURCK WERNER KG) 9 December 1993 * column 2, line 40 - column 3, line 34; figures 1-6 *	3,5	
A	US-A-5 062 807 (GUSS III ROBERT J) 5 November 1991 * column 3, line 8 - column 7, line 52; figures 1-21 *	4	
A	FR-A-2 697 069 (RONARC H JOEL) 22 April 1994 * page 1 - page 7; figures 1-3 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01R
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 October 1996	Examiner Tappeiner, 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)