



(11)

EP 1 942 558 A3

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
10.08.2011 Bulletin 2011/32

(51) Int Cl.:
H01R 4/24 (2006.01) H02G 3/00 (2006.01)

(43) Date of publication A2:
09.07.2008 Bulletin 2008/28

(21) Application number: **08100100.0**

(22) Date of filing: **04.01.2008**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR**
Designated Extension States:
AL BA MK RS

(71) Applicant: **Bticino S.p.A.**
20154 Milano (IT)

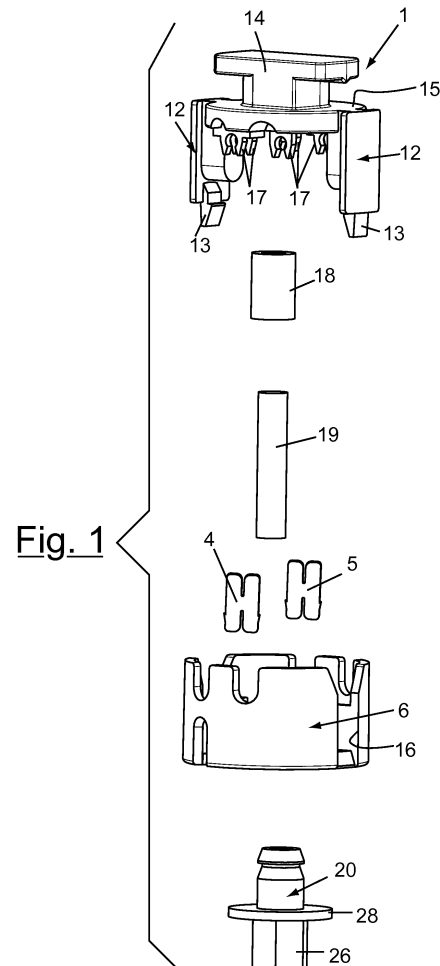
(72) Inventor: **Gatti, Guido Giulio Vittorio**
I-22031 Albavilla (Como) (IT)

(74) Representative: **Coletti, Raimondo et al**
Barzanò & Zanardo Milano S.p.A.
Via Borgonuovo, 10
20121 Milano (IT)

(30) Priority: **08.01.2007 IT MI20070017**

(54) **Quick insulation displacement connection device for electrical connections**

(57) A quick insulation displacement connection device for electrical connections, comprising at least a first containment element (1), made of insulating material, adapted to support and maintain in position a pair of cables (10), and a second contact-carrier element (6), it too made of insulating material, which bears a series of conductor means (4, 5) adapted to make an electrical insulation displacement connection on each conductor of the pair of cables (10), in order to draw the signal to be sent over the conductors of the cables (11) of a shunt line; it is possible for the installer to obtain the pick-up of the signal from the pair of cables (10) by simply bringing the contact-carrier element (6) towards said containment element (1) and by rotating a tool several turns, tool such as a socket wrench (25), which operates on a threaded pin (19), placed at the centre of the contact-carrier element (6) and adapted to be engaged inside a nut screw (18) of the containment element (1).



EP 1 942 558 A3



EUROPEAN SEARCH REPORT

Application Number
EP 08 10 0100

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 4 767 354 A (SALIGNY YVES [FR]) 30 August 1988 (1988-08-30) * column 3, line 60 - column 4, line 64; figures 1,2 *	1-5,9,10	INV. H01R4/24 H02G3/00
X	US 6 254 420 B1 (LETAILLEUR JEAN-PIERRE [FR] ET AL) 3 July 2001 (2001-07-03) * figures 1,2 *	1-5,9,10	
A	DE 22 64 216 A1 (BBC BROWN BOVERI & CIE) 11 July 1974 (1974-07-11) * figure 2 *	9	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01R H02G
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 29 June 2011	Examiner Garcia Congosto, M
<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>			

1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 10 0100

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.

29-06-2011

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4767354	A	30-08-1988	CA	1299688 C	28-04-1992
			DE	3773433 D1	07-11-1991
			EP	0248743 A1	09-12-1987
			ES	2026561 T3	01-05-1992
			FR	2598561 A2	13-11-1987
			IE	59667 B1	09-03-1994
			NO	871863 A	09-11-1987
			US	RE33903 E	28-04-1992

US 6254420	B1	03-07-2001	AT	288626 T	15-02-2005
			AU	739926 B2	25-10-2001
			AU	2137499 A	21-10-1999
			BR	9901097 A	18-01-2000
			CA	2265246 A1	14-10-1999
			DE	69923492 D1	10-03-2005
			DE	69923492 T2	16-02-2006
			DK	951093 T3	06-06-2005
			EP	0951093 A1	20-10-1999
			ES	2237897 T3	01-08-2005
			FR	2777393 A1	15-10-1999
			ID	22399 A	14-10-1999
			PL	332386 A1	25-10-1999
			RU	2226308 C2	27-03-2004
			ZA	9901967 A	20-05-1999

DE 2264216	A1	11-07-1974	NL	7317828 A	02-07-1974
