



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**30.05.2007 Bulletin 2007/22**

(51) Int Cl.:  
**H01R 25/14 (2006.01)**

(43) Date of publication A2:  
**27.07.2005 Bulletin 2005/30**

(21) Application number: **05425011.3**

(22) Date of filing: **13.01.2005**

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA HR LV MK YU**

(72) Inventor: **Ghidinelli, Paolo**  
**25030 Torbole Casaglia (Brescia) (IT)**

(74) Representative: **Sangiaco, Fulvia**  
**BIESSE S.R.L.,**  
**Corso Matteotti 42**  
**25122 Brescia (IT)**

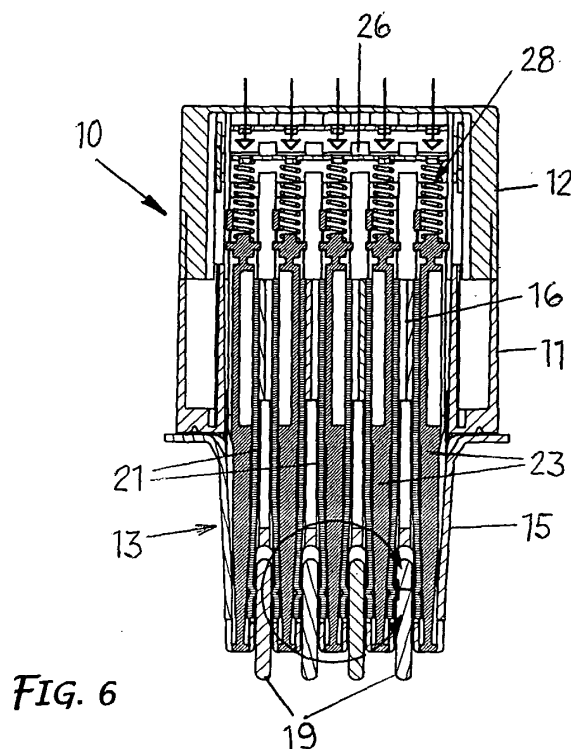
(30) Priority: **20.01.2004 IT BS20040007**

(71) Applicant: **BBI Electric S.P.A.**  
**25030 Torbole Casaglia (IT)**

(54) **Unit for shunting current from bus bars**

(57) The invention concerns a unit for shunting current from bus bars which is made up of a body divided internally into sections housing the blade shaped flexible electric contacts (21) which can be flexed between an open and closed position of the conductor elements of a

bus bar. The electric contacts can be moved from one position to the other by means of insulated wedges (23) associated with them and which can all be moved axially simultaneously from the outside between a retracted open position and a forward closed position by means of a thrust lever and interposed springs.



**FIG. 6**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 05 42 5011

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 3 209 301 A (DUFFY JR LEO JEROME) 28 September 1965 (1965-09-28) * the whole document *	1-6	INV. H01R25/14
A	FR 72 037 E (BONHOMME) 21 March 1960 (1960-03-21) * figures 8,9 *	1-6	
A	US 2003/031018 A1 (BRAY DOUGLAS R [US] ET AL) 13 February 2003 (2003-02-13) * figures 8-10 *	1-6	
A	DE 195 24 123 C1 (PHOENIX CONTACT GMBH & CO [DE]) 13 February 1997 (1997-02-13) * the whole document *	1-6	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01R H01H H02B H05K H01B H05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 April 2007	Examiner Salojärvi, Kristiina
<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 ..... &amp; : member of the same patent family, corresponding document</p>			

2

EPO FORM 1503 03.82 (P04C01)

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

EP 05 42 5011

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.

20-04-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3209301	A	28-09-1965	NONE	
FR 72037	E	21-03-1960	NONE	
US 2003031018	A1	13-02-2003	NONE	
DE 19524123	C1	13-02-1997	NONE	