

Title (en)  
INSERT DESIGNED TO MOUNTED IN AN ELEMENT, FOR FIXING AND ELECTRICALLY CONTACTING AN ELECTRICALLY CONNECTING SOCKET

Title (de)  
ZUR ANBRINGUNG IN EINEM ELEMENT AUSGELEGTE EINLAGE ZUM FIXIEREN UND ELEKTRISCHEN KONTAKTIEREN EINER ELEKTRISCH VERBINDENDEN BUCHSE

Title (fr)  
INSERT DESTINE A ETRE RAPPORTE DANS UN ELEMENT, POUR LA FIXATION ET LA MISE EN CONTACT ELECTRIQUE D'UNE COSSE DE RACCORDEMENT ELECTRIQUE

Publication  
**EP 1929581 A1 20080611 (FR)**

Application  
**EP 06794383 A 20060904**

Priority  
• FR 2006002026 W 20060904  
• FR 0509080 A 20050906

Abstract (en)  
[origin: WO2007028882A1] The invention concerns an insert designed to be mounted in a calibrated hole (2) of an element (1) for fixing and electrically contacting an electrically connecting socket, consisting of an electrically conductive ring (3) having a sleeve (3a) which is secured to a saddle (3b) and of a screw (4) which is provided with a shaft (4a) designed to be inserted into the ring (3) and with a head (4b) facilitating its being screwed and enabling further the socket to be clamped (5), between itself and the saddle (3b) of the ring whereof the sleeve (3a) has been previously inserted into said hole (2) of the element (1). Said insert is particularly characterized in that the sleeve (3a) and the saddle (3b) of the ring (3) do not comprise a slot and have a smooth inner surface and in that the screw is a self-threading screw (4) dimensioned to be able both to thread the inner surface of the sleeve (3a) of the ring (3) while deforming by expansion the material constituting said sleeve whereof the outer surface can thus be urged to be forcefully pressed on the inner wall of the hole (2) of the element (1).

IPC 8 full level  
**H01R 4/50** (2006.01); **H01R 4/56** (2006.01); **H01R 4/66** (2006.01)

CPC (source: EP US)  
**H01R 4/5025** (2013.01 - EP US); **H01R 4/64** (2013.01 - EP US); **H01R 4/56** (2013.01 - EP US); **H01R 4/66** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007028882A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2890494 A1 20070309**; AT E419660 T1 20090115; AU 2006288991 A1 20070315; CA 2619224 A1 20070315; CN 101258644 A 20080903; DE 602006004611 D1 20090212; EP 1929581 A1 20080611; EP 1929581 B1 20081231; ES 2320040 T3 20090518; JP 2009507334 A 20090219; MA 29844 B1 20081003; NO 20081677 L 20080519; PL 1929581 T3 20090630; PT 1929581 E 20090210; RU 2008113197 A 20091020; TN SN08096 A1 20090714; US 2008242160 A1 20081002; WO 2007028882 A1 20070315; ZA 200802106 B 20090826

DOCDB simple family (application)  
**FR 0509080 A 20050906**; AT 06794383 T 20060904; AU 2006288991 A 20060904; CA 2619224 A 20060904; CN 200680032554 A 20060904; DE 602006004611 T 20060904; EP 06794383 A 20060904; ES 06794383 T 20060904; FR 2006002026 W 20060904; JP 2008528554 A 20060904; MA 30801 A 20080401; NO 20081677 A 20080404; PL 06794383 T 20060904; PT 06794383 T 20060904; RU 2008113197 A 20060904; TN SN08096 A 20080228; US 6581706 A 20060904; ZA 200802106 A 20080306