

Title (en)
HERMAPHRODITE ELECTRICAL CONNECTOR

Title (de)
GESCHLECHTLOSER ELEKTRISCHER VERBINDER

Title (fr)
CONNECTEUR ELECTRIQUE HERMAPHRODITE

Publication
EP 0598811 B2 20011128 (FR)

Application
EP 92917751 A 19920731

Priority
• FR 9110228 A 19910808
• FR 9200755 W 19920731

Abstract (en)
[origin: US5487677A] PCT No. PCT/FR92/00755 Sec. 371 Date Jan. 31, 1994 Sec. 102(e) Date Jan. 31, 1994 PCT Filed Jul. 31, 1992 PCT Pub. No. WO93/03515 PCT Pub. Date Feb. 18, 1993. The invention relates to a hermaphrodite electrical connector providing safe electric power supply wiring without any risk of accidental disconnection. The connector (1) comprises a female contact part (3) provided with a contact socket (6), a male contact part (4) provided with a contact pin (8) and an insulating case (2) surrounding said parts. At the front, the case comprises a male tubular section (5) around the socket (6) and a female tubular section (7) around the pin (8). Said tubular sections are engageable in and on the corresponding sections of another similar connector and comprise locking members (10, 13). A plurality of said connectors (1) may be juxtaposed and mechanically and electrically connected by metal pins 17 in order to form a distribution block (21, 22). Such a connector may be used in electric power supply networks of very low voltage (12 V), low voltage (11, 220 V) or higher voltage.

IPC 1-7
H01R 13/28; **H01R 31/02**

IPC 8 full level
H01R 13/28 (2006.01); **H01R 31/06** (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP US)
H01R 24/84 (2013.01 - EP US); **H01R 13/627** (2013.01 - EP US); **Y10S 439/949** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
US 5487677 A 19960130; AT E130705 T1 19951215; AU 2443492 A 19930302; CA 2114946 A1 19930209; CA 2114946 C 20020702; CN 1047475 C 19991215; CN 1070289 A 19930324; DE 69206266 D1 19960104; DE 69206266 T2 19960418; DE 69206266 T3 20020718; DE 9218952 U1 19960530; DE 9219034 U1 19970306; EP 0598811 A1 19940601; EP 0598811 B1 19951122; EP 0598811 B2 20011128; ES 2082492 T3 19960316; ES 2082492 T5 20020901; FR 2680285 A1 19930212; FR 2680285 B3 19951117; IL 102723 A0 19930131; JP H07500213 A 19950105; TW 215497 B 19931101; WO 9303515 A1 19930218; ZA 925753 B 19930428

DOCDB simple family (application)
US 19017494 A 19940131; AT 92917751 T 19920731; AU 2443492 A 19920731; CA 2114946 A 19920731; CN 92110454 A 19920808; DE 69206266 T 19920731; DE 9218952 U 19920731; DE 9219034 U 19920731; EP 92917751 A 19920731; ES 92917751 T 19920731; FR 9110228 A 19910808; FR 9200755 W 19920731; IL 10272392 A 19920804; JP 50333592 A 19920731; TW 81106109 A 19920801; ZA 925753 A 19920731