

Title (en)

Device for connecting electrical conductors with actuating mechanism

Title (de)

Anschlussvorrichtung für elektrische Leiter mit Betätigungsvorrichtung

Title (fr)

Dispositif de connexion pour conducteurs électriques avec mécanisme d'actionnement

Publication

EP 1670098 B1 20120208 (DE)

Application

EP 05108711 A 20050921

Priority

DE 202004019109 U 20041210

Abstract (en)

[origin: US2006128206A1] An electrical connector includes a housing having a chamber in which are mounted a bus bar, and a leaf spring that normally biases the end of a conductor that is inserted into the chamber into electrical engagement with the bus bar. A release member is connected with the housing for movement from a retracted position toward an extended release position, thereby to release the spring from the conductor so that the conductor may be removed from the housing. For ease of operation, the release member has a pair of angularly arranged surfaces that contain operating openings for selectively receiving the tip of an operating tool arranged at various angular positions relative to the housing.

IPC 8 full level

H01R 4/48 (2006.01)

CPC (source: EP US)

H01R 4/483 (2023.08 - EP); **H01R 4/48365** (2023.08 - US); **H01R 4/4821** (2023.08 - EP)

Cited by

DE102012110895A1; DE102015122143A1; DE102015122143B4; WO2022228854A1; DE102012110895B4; WO2014075967A1;
DE102021111100A1; DE102021111100B4

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)

US 2006128206 A1 20060615; **US 7104833 B2 20060912**; AT E545176 T1 20120215; CN 100442600 C 20081210; CN 1787289 A 20060614;
DE 202004019109 U1 20060413; EP 1670098 A1 20060614; EP 1670098 B1 20120208; ES 2381898 T3 20120601

DOCDB simple family (application)

US 28862605 A 20051129; AT 05108711 T 20050921; CN 200510119372 A 20051102; DE 202004019109 U 20041210;
EP 05108711 A 20050921; ES 05108711 T 20050921