

Title (en)

Handle operated power connector

Title (de)

Hebelbetätigbarer Leistungsverbinder

Title (fr)

Connecteur de puissance actionné par poignée

Publication

EP 1024559 A2 20000802 (EN)

Application

EP 99114090 A 19990720

Priority

- US 11728899 P 19990126
- US 9968199 F 19990126
- US 35098899 A 19990712

Abstract (en)

An electrical power connector is disclosed having a plug and receptacle. The plug includes a coupling ring having a single handle extending radially therefrom. The coupling ring is freely rotatable within limits on the plug when the plug is not coupled to the receptacle. The receptacle includes one or more bayonet ramps to which the coupling ring can be coupled. Advantageously, the plug can be coupled to the receptacle with 120 DEG rotation or less by rotating the coupling ring 120 DEG or less. The plug and receptacle each include a colored locking indicator to indicate to the person coupling the plug to the receptacle that the receptacle and plug are properly aligned to each other when coupled. Also an audible indication of locking is provided when the electrical plug and receptacle are fully coupled. <IMAGE>

IPC 1-7

H01R 13/629

IPC 8 full level

H01R 13/625 (2006.01); **H01R 13/629** (2006.01); **H01R 13/52** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP)

H01R 13/625 (2013.01); **H01R 13/5219** (2013.01); **H01R 13/641** (2013.01)

Cited by

DE102016117538A1; CN106981772A; EP3336972A1; EP3015641A3; CN107946827A; EP1180827A3; CN107851940A; US10109963B2; US11133632B2; US11916333B2; US10845046B2; US10826236B2; US11196216B2; US11215188B2; EP2183823B1; WO2018051177A1; US10637187B2; US10326247B2; US11025023B2; US10989400B2; US11460184B2

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

EP 1024559 A2 20000802; **EP 1024559 A3 20010808**; CA 2278910 A1 20000726; CA 2278910 C 20060314; MX PA99006804 A 20030926; TW 445672 B 20010711

DOCDB simple family (application)

EP 99114090 A 19990720; CA 2278910 A 19990727; MX 9906804 A 19990722; TW 88112449 A 19990722