

Title (en)

Connection device for direct connection of conductor ends, and electrical apparatus including such a connection device

Title (de)

Anschlussvorrichtung zum Direktanschluss von Leiterenden und elektrisches Gerät mit einer derartigen Anschlussvorrichtung

Title (fr)

Dispositif de connexion pour connexion directe de la partie finale de conducteurs et appareil avec un tel dispositif de connexion

Publication

EP 1657789 A1 20060517 (DE)

Application

EP 05017814 A 20050817

Priority

- DE 202004017648 U 20041113
- DE 202005005369 U 20050406

Abstract (en)

Device has a V-shaped leaf spring (4), and a bus bar (3) with a U-shaped trough (9). A conductor is guided into the trough in a direction perpendicular to a longitudinal blade of the trough. A contact point is arranged between a free end of a contact tongue of the spring and a lug of the bus bar, such that the conductor end is inserted into the contact point by an open end of the trough.

IPC 8 full level

H01R 4/48 (2006.01)

CPC (source: EP KR)

H01R 4/4809 (2013.01 - EP); **H01R 4/48275** (2023.08 - EP); **H01R 13/33** (2013.01 - KR)

Citation (applicant)

- DE 2825291 C2 19870917
- EP 1391965 A1 20040225 - WAGO VERWALTUNGS GMBH [DE]

Citation (search report)

- [XY] US 2003194918 A1 20031016 - FRICKE HERBERT [DE], et al
- [XY] DE 20211513 U1 20031127 - WEIDMUELLER INTERFACE [DE]
- [XY] FR 2702890 A3 19940923 - VLM SPA [IT]
- [Y] DE 20312861 U1 20031030 - PHOENIX CONTACT GMBH & CO [DE]

Cited by

DE202012103987U1; CN103078199A; DE202006003400U1; DE102007041979B3; CN104995797A; DE102020100443A1; DE102007035336B3; CN113711445A; DE202014102270U1

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)

EP 1657789 A1 20060517; **EP 1657789 B1 20070704**; AT E366467 T1 20070715; DE 202005005369 U1 20060316; DE 502005000971 D1 20070816; ES 2287846 T3 20071216; JP 2006140161 A 20060601; JP 4204585 B2 20090107; KR 101174159 B1 20120814; KR 20060052614 A 20060519

DOCDB simple family (application)

EP 05017814 A 20050817; AT 05017814 T 20050817; DE 202005005369 U 20050406; DE 502005000971 T 20050817; ES 05017814 T 20050817; JP 2005328934 A 20051114; KR 20050107857 A 20051111