

Title (en)

Connection device for connecting data and supply lines to an electrical apparatus

Title (de)

Anschlussvorrichtung zum Anschluss von Daten-und Versorgungsleitung an ein elektrisches Gerät

Title (fr)

Dispositif de connexion pour connecter des lignes de données et d'alimentation à un appareil électrique

Publication

**EP 1353417 B1 20070829 (DE)**

Application

**EP 03005507 A 20030311**

Priority

DE 20205594 U 20020410

Abstract (en)

[origin: US2003224665A1] An electrical terminal block connector is provided for connecting a plurality of power supply conductors having a first cross-sectional area and a plurality of data input conductors having a smaller cross-sectional area with a plurality of output conductors having a uniform cross-sectional area. The connector includes a terminal block housing containing a chamber, first and second inlet openings communicating with the chamber for receiving the ends of the power conductors and the data conductors, respectively, and a plurality of outlet openings communicating with the chamber for connection with the ends of the output conductors, respectively. First and second connector devices are arranged in the chamber for connection with the ends of the power and data conductors, respectively, and a plurality of identical third connectors connected with the first and second connectors include tulip-shaped terminals that extend within corresponding outlet openings for connection with the output conductors, respectively. The first connectors include resilient terminals connected by buses with the third connectors, and the second connectors include a data socket having outlet terminals connected with the third connectors via the conductors of a printed circuit board, respectively.

IPC 8 full level

**H01R 27/02** (2006.01); **H01R 13/56** (2006.01)

CPC (source: EP US)

**H01R 27/02** (2013.01 - EP US); **H01R 13/56** (2013.01 - EP US); **H01R 24/64** (2013.01 - EP US)

Cited by

US11196190B2; US11764496B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2003224665 A1 20031204**; **US 6769939 B2 20040803**; AT E371970 T1 20070915; DE 20205594 U1 20030828; DE 50308041 D1 20071011; EP 1353417 A1 20031015; EP 1353417 B1 20070829

DOCDB simple family (application)

**US 40720603 A 20030407**; AT 03005507 T 20030311; DE 20205594 U 20020410; DE 50308041 T 20030311; EP 03005507 A 20030311