

Title (en)

Terminal block with surcharge protection.

Title (de)

Anschlussleiste mit Überspannungsschutz.

Title (fr)

Bloc de connexion avec protection contre la surtension.

Publication

**EP 0399628 B1 19950607 (DE)**

Application

**EP 90250072 A 19900316**

Priority

DE 3917270 A 19890523

Abstract (en)

[origin: JPH0317972A] PURPOSE: To enable the connection, separation and testing of a cable conductor to be mounted on an insulating material displacement contact, by installing two banks of insulating material displacement points on the different side faces of a connector bank, and laterally installing a surge protective magazine at the almost center between the two banks of insulating material displacement contacts. CONSTITUTION: Several insulating material displacement contacts 4 are vertically arranged in a first bank 12, and the insulating material displacement contacts adjacent to each other are separated from each other by a fastening piece 31. A second bank 13 of the insulating material displacement contacts 4 is installed on the opposite side of the first bank 12 of the insulating material displacement contact 4. The first bank 12 of the insulating material displacement contacts 4, is installed on the top side 14 of a connector bank 1, and the second bank 13 of the insulating material displacement contacts 4 is installed on the bottom side 15 thereof. Each insulating material displacement contact 14 of the first bank 12 is connected with the insulating material displacement contact 4 of the second bank 13 through a connecting element 3, and the cable conductors connected with the insulating material displacement contacts 4, are also connected with each other. Thereby the approaching to the two banks of insulating material displacement contacts, can be freely performed even after the surge protective magazine has been inserted, so that the connection, separation and testing of the cable conductor to be mounted on the insulating material displacement contacts, can be performed.

IPC 1-7

**H01R 13/713**; **H01R 4/24**; **H02G 15/076**; **H04Q 1/14**

IPC 8 full level

**H01R 4/24** (2006.01); **H01R 9/22** (2006.01); **H01R 13/66** (2006.01); **H01R 13/713** (2006.01); **H02G 15/076** (2006.01); **H04Q 1/14** (2006.01)

CPC (source: EP US)

**H01R 4/2429** (2013.01 - EP US); **H01R 13/6666** (2013.01 - EP US)

Cited by

EP1588457A4; DE9404393U1; US5435747A; EP0667650A3; EP0852827A4; US9780463B2; WO2012136322A1; WO9215129A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0399628 A2 19901128**; **EP 0399628 A3 19921223**; **EP 0399628 B1 19950607**; AT E123596 T1 19950615; AU 5498490 A 19901129; AU 630445 B2 19921029; CA 2017173 A1 19901123; CA 2017173 C 19950718; DE 3917270 A1 19901129; DE 3917270 C2 19971023; DE 59009198 D1 19950713; DK 0399628 T3 19950814; ES 2072971 T3 19950801; JP H0317972 A 19910125; JP H0656776 B2 19940727; TR 25999 A 19931101; US 5086368 A 19920204; ZA 903932 B 19910327

DOCDB simple family (application)

**EP 90250072 A 19900316**; AT 90250072 T 19900316; AU 5498490 A 19900515; CA 2017173 A 19900518; DE 3917270 A 19890523; DE 59009198 T 19900316; DK 90250072 T 19900316; ES 90250072 T 19900316; JP 8506890 A 19900402; TR 41090 A 19900504; US 51280890 A 19900423; ZA 903932 A 19900522