

Title (en)
Automatic electrical connection terminal

Title (de)
Automatische elektrische Verbindungsklemme

Title (fr)
Borne de connexion électrique automatique

Publication
EP 1928058 B1 20120815 (FR)

Application
EP 07291281 A 20071022

Priority
FR 0610406 A 20061128

Abstract (en)
[origin: EP1928058A1] The terminal e.g. single electrical terminal (10), has an elastic pressure unit i.e. U-shape prestressed metallic spring blade, pressurizing electrical conductors (1, 4) against a metallic body (20) i.e. embossed plate, that is in form of a staircase. Engaging pipes (14, 19) engage the conductors between the body and the unit. An elongated disconnecting lever (11) is supported on the unit by a body's spacer. The pipe traverses the lever, for opening against an opening of a transversal lower panel of the body and on an upper surface of the lever, where the lever is made of insulating material. An independent claim is also included for an electrical connector comprising a base made of insulating material.

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: EP)
H01R 4/48365 (2023.08)

Citation (examination)

- EP 1909359 A2 20080409 - ABB PATENT GMBH [DE]
- EP 1914839 A2 20080423 - ABB PATENT GMBH [DE]

Cited by
EP2180549A1; WO2010034430A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1928058 A1 20080604; EP 1928058 B1 20120815; EP 1928058 B9 20121114; ES 2389312 T3 20121025; FR 2909227 A1 20080530; FR 2909227 B1 20090403

DOCDB simple family (application)
EP 07291281 A 20071022; ES 07291281 T 20071022; FR 0610406 A 20061128