

Title (en)
Electric plug connector

Title (de)
Elektrische Verbindungsklemme

Title (fr)
Borne de connexion électrique

Publication
EP 2439816 B1 20170823 (DE)

Application
EP 11008077 A 20111005

Priority
DE 202010014149 U 20101009

Abstract (en)
[origin: EP2439816A1] The terminal (1) has a spring retainer with first, second and third counter bearings (6a-6c), where the second bearing is engaged with a loop (13), and the first and third bearings are engaged with a collar (12). A spring (5) is arranged between side walls (7). Arms (8) of the spring are arranged to the side walls. Spring ends (9) are formed as a train-protection edge such that an electrical conductor is inserted between the spring ends and the side walls. The conductor is pressed to a contact surface by spring force. A clamp housing (3) is made from an electrically insulating material.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 9/26** (2006.01)

CPC (source: EP US)
H01R 4/48275 (2023.08 - EP US); **H01R 4/363** (2013.01 - EP US); **H01R 9/26** (2013.01 - EP US)

Citation (examination)
US 2005029003 A1 20050210 - CONRAD GERD [DE]

Cited by
CN109196723A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 202010014149 U1 20120110; EP 2439816 A1 20120411; EP 2439816 B1 20170823; US 2012088394 A1 20120412;
US 8585431 B2 20131119

DOCDB simple family (application)
DE 202010014149 U 20101009; EP 11008077 A 20111005; US 201113267234 A 20111006