

Title (en)
ADAPTER FOR MOUNTING SINGLE- OR MULTI-PIN OVERVOLTAGE PROTECTION DEVICES THAT ARE DESIGNED AS PLUG-IN MODULES,
AND USE OF SUCH AN ADAPTER

Title (de)
ADAPTER ZUR MONTAGE VON ALS STECKMODULE AUSGEFÜHRTEN EIN- ODER MEHRPOLIGEN ÜBERSpannungSSCHUTZGERÄTEN
SOWIE VERWENDUNG EINES DERARTIGEN ADAPTERS

Title (fr)
ADAPTATEUR DE MONTAGE DE PARASURTENSEURS UNI- OU MULTIPOLAIRES SOUS FORME DE MODULES EMBROCHABLES, ET
UTILISATION D'UN TEL ADAPTATEUR

Publication
EP 3149816 A1 20170405 (DE)

Application
EP 15723965 A 20150521

Priority
• DE 202014004396 U 20140526
• DE 102014112722 A 20140904
• EP 2015061271 W 20150521

Abstract (en)
[origin: WO2015181044A1] The invention relates to an adapter for mounting single- or multi-pin overvoltage protection devices that are designed as plug-in modules on a wiring carrier, wherein the adapter has a base and at least one chamber that is open upward and bounded by side walls, from the bottom side of which chamber a plurality of mounting protrusions extend, which each have a contour that is substantially complementary to corresponding openings in the wiring carrier. According to the invention, the mounting protrusions have a hook shape in order to engage under the wiring carrier as a result of sliding of the adapter in the plane of the wiring carrier, after the adapter has been inserted into the openings by means of the mounting protrusions, wherein through-holes are formed in the base, the dimensions of which through-holes allow plug-in connections of the plug-in modules to be fed through to the wiring carrier. Furthermore, metallized holes corresponding to the dimensions of the plug-in connections of the plug-in module are formed in the wiring carrier in such a way that the holes are located congruently with the through-holes in the base after the adapter has been inserted and slid, such that self-securing locking of the combination of the adapter, the plug-in module, and the wiring carrier is provided in addition to electrical contacting, after the plug-in module has been inserted.

IPC 8 full level
H01T 4/04 (2006.01); **H01R 9/24** (2006.01); **H01T 4/06** (2006.01)

CPC (source: CN EP US)
H01R 9/2441 (2013.01 - CN EP US); **H01R 12/7005** (2013.01 - US); **H01R 12/7082** (2013.01 - US); **H01R 12/716** (2013.01 - US);
H01R 13/04 (2013.01 - US); **H01R 13/44** (2013.01 - US); **H01R 13/631** (2013.01 - US); **H01R 13/6666** (2013.01 - US); **H01R 33/94** (2013.01 - US);
H01T 4/04 (2013.01 - CN EP US); **H01T 4/06** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2015181044A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202014004396 U1 20140901; CN 106471678 A 20170301; DE 102014112722 A1 20151126; EP 3149816 A1 20170405;
EP 3149816 B1 20180418; JP 2017517851 A 20170629; JP 6337154 B2 20180606; US 2017201054 A1 20170713;
WO 2015181044 A1 20151203

DOCDB simple family (application)
DE 202014004396 U 20140526; CN 201580035120 A 20150521; DE 102014112722 A 20140904; EP 15723965 A 20150521;
EP 2015061271 W 20150521; JP 2016569731 A 20150521; US 201515312811 A 20150521