

Title (en)

INSULATING HOUSING OF AN ELECTRICAL TERMINAL DEVICE

Title (de)

ISOLIERGEHÄUSE EINER ELEKTRISCHEN KLEMMVORRICHTUNG

Title (fr)

BOÎTIER ISOLANT D'UN DISPOSITIF DE SERRAGE ÉLECTRIQUE

Publication

**EP 3132503 B1 20180718 (DE)**

Application

**EP 15717461 A 20150414**

Priority

- DE 102014105386 A 20140415
- EP 2015058030 W 20150414

Abstract (en)

[origin: WO2015158691A1] The invention relates to an insulating housing of an electrical terminal device, wherein a plurality of insulating housings (10) can be plugged onto one another in order to form an electrical terminal block in that each insulating housing (10) has a projecting latching peg (14) arranged on the housing front side (12) in a direction perpendicular to the plane of the housing front side (12), wherein the latching peg (14) engages in a latching hole (20) arranged on the housing rear side (18) in a direction perpendicular to the plane of the housing rear side (18) and has a latching hook (16) which projects on the housing front side (12) and which engages in and latches behind a catch (22) arranged on the housing rear side (18). According to the invention, it is provided that the latching peg (14) and the latching hole (20) are frustoconical, wherein the diameter of the latching peg (14) increases from the housing front side (12) towards the latching peg end (28) and the diameter of the latching hole (20) increases from the housing rear side (18) towards the latching hole bottom (32). In this way, an insulating housing of an electrical terminal device is specified, wherein a plurality of insulating housings can be plugged onto one another in order to form an electrical terminal block and are securely connected to one another in the plugged-together state.

IPC 8 full level

**H01R 9/26** (2006.01); **H01R 13/514** (2006.01)

CPC (source: CN EP US)

**B25B 1/02** (2013.01 - EP); **B25B 1/18** (2013.01 - EP); **B25B 1/20** (2013.01 - EP); **H01R 9/2408** (2013.01 - EP); **H01R 9/2608** (2013.01 - EP US); **H01R 13/514** (2013.01 - CN EP US); **H01R 4/48** (2013.01 - EP); **H01R 9/2608** (2013.01 - CN)

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 102014105386 A1 20151015**; CN 106233537 A 20161214; DE 202014010989 U1 20170313; DK 3132503 T3 20181029; DK 3132503 T5 20190708; EP 3132503 A1 20170222; EP 3132503 B1 20180718; US 2017033491 A1 20170202; US 9905958 B2 20180227; WO 2015158691 A1 20151022

DOCDB simple family (application)

**DE 102014105386 A 20140415**; CN 201580020224 A 20150414; DE 202014010989 U 20140415; DK 15717461 T 20150414; EP 15717461 A 20150414; EP 2015058030 W 20150414; US 201515303024 A 20150414