

Title (en)

CONNECTION STRUCTURE OF ELECTRIC APPARATUS

Title (de)

VERBINDUNGSSTRUKTUR EINER ELEKTRISCHEN VORRICHTUNG

Title (fr)

STRUCTURE DE CONNEXION D'UN APPAREIL ÉLECTRIQUE

Publication

EP 3493237 A1 20190605 (EN)

Application

EP 18192847 A 20180906

Priority

JP 2017227742 A 20171128

Abstract (en)

There is provided a connection structure of an electric apparatus capable of accurately positioning and connecting a terminal to be connected to a screw terminal of the electric apparatus. A connection structure of an electric apparatus is provided electrically connecting each of screw terminals formed in the electric apparatus and a terminal to be connected formed in a terminal component for a main terminal being a member to be connected. The connection structure includes a rotation-stop mechanism engaged mutually with the screw terminal and the terminal to be connected.

IPC 8 full level

H01H 83/22 (2006.01); **H01H 9/02** (2006.01); **H01H 71/08** (2006.01); **H01H 71/74** (2006.01); **H01R 4/30** (2006.01)

CPC (source: EP)

H01H 9/0264 (2013.01); **H01H 71/08** (2013.01); **H01H 71/7409** (2013.01); **H01H 83/223** (2013.01); **H01R 4/305** (2013.01); **H01R 4/4821** (2023.08); **H01H 71/161** (2013.01); **H01R 4/4842** (2023.08); **H01R 4/485** (2023.08)

Citation (applicant)

JP 2014107023 A 20140609 - FUJI ELEC FA COMPONENTS & SYS

Citation (search report)

- [XY] CA 2316581 A1 20010227 - EATON CORP [US]
- [Y] US 2014151201 A1 20140605 - SISLEY JAMES PATRICK [US], et al
- [A] JP H10177870 A 19980630 - MATSUSHITA ELECTRIC WORKS LTD
- [A] US 2909757 A 19591020 - SPECK WILLIS A
- [A] US 2010245021 A1 20100930 - FURUHATA YUKINARI [JP], et al

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)

EP 3493237 A1 20190605; **EP 3493237 B1 20200311**; CN 109841454 A 20190604; CN 109841454 B 20200724; JP 2019096583 A 20190620; JP 6881258 B2 20210602

DOCDB simple family (application)

EP 18192847 A 20180906; CN 201811038412 A 20180906; JP 2017227742 A 20171128