

Title (en)  
ELECTRICAL EQUIPMENT UNIT LINKING STRUCTURE AND ELECTRICAL EQUIPMENT

Title (de)  
VERBINDUNGSSTRUKTUR FÜR EIN ELEKTRISCHES GERÄT UND ELEKTRISCHES GERÄT

Title (fr)  
STRUCTURE DE LIAISON D'UNITÉ D'ÉQUIPEMENT ÉLECTRIQUE ET ÉQUIPEMENT ÉLECTRIQUE

Publication  
**EP 3952025 A4 20221221 (EN)**

Application  
**EP 20783630 A 20200324**

Priority  
• JP 2019065862 A 20190329  
• JP 2020012901 W 20200324

Abstract (en)  
[origin: EP3952025A1] The coupling structure for an electrical equipment unit enables a cost reduction and an easy rearrangement of the electrical equipment unit after coupling the electrical equipment unit. The terminal block units (or electrical equipment unit) 4, 4' include a wall portion 41. A wall surface 41A of the wall portion 41 has an engagement hook (or engagement portion) 42 and another wall surface 41B of the wall portion 41 has an engagement hole (or engaged portion) 44 that corresponds to the engagement hook 42. The engagement hole 44 of one terminal block unit 4 allows an entry and rotation of the engagement hook 42 of another terminal block unit 4', such that thereby the engagement hook 42 comes into engagement with the engagement hole 44.

IPC 8 full level  
**H01R 9/24** (2006.01); **H01R 9/16** (2006.01)

CPC (source: EP)  
**H01R 9/2408** (2013.01); **H01R 9/16** (2013.01)

Citation (search report)  
• [XA] US 4210379 A 19800701 - HUGHES RICHARD L [US], et al  
• [XA] JP H0562970 U 19930820  
• [XAI] US 2014120765 A1 20140501 - LOMBARDO PAOLO [AT]  
• [A] US 2623087 A 19521223 - LATTA ISAAC R  
• See also references of WO 2020203442A1

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)  
**EP 3952025 A1 20220209; EP 3952025 A4 20221221**; CN 113597714 A 20211102; CN 113597714 B 20230908; JP 2020167017 A 20201008; JP 2023053314 A 20230412; JP 7236907 B2 20230310; JP 7465049 B2 20240410; WO 2020203442 A1 20201008

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**EP 20783630 A 20200324**; CN 202080018866 A 20200324; JP 2019065862 A 20190329; JP 2020012901 W 20200324; JP 2023021102 A 20230214