

Title (en)
ELECTRICAL CONNECTOR

Title (de)
ELEKTRISCHER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE

Publication
EP 3799216 A1 20210331 (EN)

Application
EP 20197408 A 20200922

Priority
JP 2019176428 A 20190927

Abstract (en)
Provided is an electrical connector which includes: a terminal including a circuit connection portion connected to a circuit on a board, a contact portion configured to contact a terminal of a counterpart connector, and a spring portion connecting the circuit connection portion and the contact portion in such a manner as to enable the contact portion to move with respect to the circuit connection portion; a fixed housing fixed to the board; and a movable housing movable with respect to the fixed housing, the movable housing supporting the contact portion. The terminal is formed by laminating a plurality of terminal plates independent of each other in a thickness direction of the plurality of terminal plates.

IPC 8 full level
H01R 12/57 (2011.01); **H01R 12/73** (2011.01); **H01R 12/91** (2011.01); **H01R 12/71** (2011.01); **H01R 13/41** (2006.01)

CPC (source: EP)
H01R 12/57 (2013.01); **H01R 12/73** (2013.01); **H01R 12/91** (2013.01); **H01R 12/716** (2013.01); **H01R 13/41** (2013.01)

Citation (applicant)
JP 2019033035 A 20190228 - HIROSE ELECTRIC CO LTD

Citation (search report)
• [Y] US 2019052002 A1 20190214 - HASEGAWA YOHEI [JP], et al
• [Y] WO 2018039123 A1 20180301 - INTERPLEX IND INC [US]
• [Y] EP 2110888 A2 20091021 - MORSETTITALIA SPA [IT]
• [Y] EP 3249752 A1 20171129 - HIROSE ELECTRIC CO LTD [JP]

Cited by
CN116031677A

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 3799216 A1 20210331; JP 2021057115 A 20210408; JP 7369576 B2 20231026

DOCDB simple family (application)
EP 20197408 A 20200922; JP 2019176428 A 20190927