

Title (en)
ELECTROMAGNETIC RELAY

Title (de)
ELEKTROMAGNETISCHES RELAIS

Title (fr)
RELAIS ÉLECTROMAGNÉTIQUE

Publication
EP 3806128 A1 20210414 (EN)

Application
EP 20198063 A 20200924

Priority
JP 2019184642 A 20191007

Abstract (en)
An electromagnetic relay includes a first contact, a second contact configured to contact the first contact and be separated from the first contact, a case accommodating the first and second contacts therein and having an insertion hole provided therein, a terminal inserted into the insertion hole of the case, an adhesive fixer, and an inflow suppressor. The terminal is electrically connected to the first and second contacts while the first contact contacts the second contact. The adhesive fixer is made of an adhesive applied onto an outer surface of the case and cured. The inflow suppressor is configured to suppress inflow of the adhesive to an inside of the case through a gap between the terminal and an inside surface of the insertion hole of the case. In this electromagnetic relay, the terminal is firmly fixed while securely suppressing hindrance of operation.

IPC 8 full level
H01H 50/14 (2006.01)

CPC (source: CN EP)
H01H 50/023 (2013.01 - CN); **H01H 50/041** (2013.01 - CN); **H01H 50/14** (2013.01 - CN EP); **H01H 50/54** (2013.01 - CN);
H01H 50/02 (2013.01 - EP)

Citation (applicant)
JP 2012104277 A 20120531 - PANASONIC CORP

Citation (search report)
• [X] CN 108172468 B 20190531
• [AP] US 2020266018 A1 20200820 - MOCHIZUKI MASAHIRO [JP], et al
• [A] EP 3462472 A1 20190403 - TYCO ELECTRONICS COMPONENTES ELECTROMECANICOS LDA [PT]

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 3806128 A1 20210414; CN 112635249 A 20210409; JP 2021061169 A 20210415; JP 2023159463 A 20231031; JP 2024114955 A 20240823;
JP 7361330 B2 20231016; JP 7523033 B2 20240726

DOCDB simple family (application)
EP 20198063 A 20200924; CN 202011040678 A 20200928; JP 2019184642 A 20191007; JP 2023142982 A 20230904;
JP 2024106094 A 20240701