

Title (en)

OVERHEATING COUNTERMEASURE METHOD FOR ELECTRICAL OUTLET, AND ELECTRICAL OUTLET

Title (de)

ÜBERHITZUNGSGEGENMASSNAHMEVERFAHREN FÜR ELEKTRISCHE STECKDOSE UND ELEKTRISCHE STECKDOSE

Title (fr)

PROCÉDÉ DE CONTRE-MESURE DE SURCHAUFFE POUR PRISE ÉLECTRIQUE, ET PRISE ÉLECTRIQUE

Publication

EP 3780290 A1 20210217 (EN)

Application

EP 18912175 A 20181105

Priority

- JP 2018070025 A 20180330
- JP 2018041037 W 20181105

Abstract (en)

The present invention is an overheating countermeasure method for an electrical outlet 10A that comprises a blade receiving spring block 42a in which a plug blade S of an insertion plug P is inserted thereinto and removed therefrom. The blade receiving spring block 42a is provided with a temperature sensor 54, which detects heat generation between the blade receiving spring block 42a and the plug blade S, or detects heat generation of the insertion plug P inserted into the plug blade S, via the plug blade S of the insertion plug P. In a case where the detected heat generation has reached a prescribed temperature or higher, notification of an abnormality and/or cutting off of the power supply to the blade receiving spring block 42a is performed.

IPC 8 full level

H01R 13/713 (2006.01); **H01R 13/502** (2006.01)

CPC (source: EP)

H01R 13/6683 (2013.01); **H01R 13/6691** (2013.01); **H01R 13/7137** (2013.01); **H01R 24/78** (2013.01)

Cited by

WO2023180751A1

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 3780290 A1 20210217; **EP 3780290 A4 20210421**; CN 111903012 A 20201106; CN 111903012 B 20220513; JP 7033762 B2 20220311; JP WO2019187301 A1 20210212; TW 201943163 A 20191101; TW 202118173 A 20210501; TW I706611 B 20201001; TW I733570 B 20210711; WO 2019187301 A1 20191003

DOCDB simple family (application)

EP 18912175 A 20181105; CN 201880091766 A 20181105; JP 2018041037 W 20181105; JP 2020509599 A 20181105; TW 107140948 A 20181119; TW 109129419 A 20181119