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 A4 20210421 (EN)

Application

EP 18912175 A 20181105

Priority

- JP 2018070025 A 20180330
- JP 2018041037 W 20181105

Abstract (en)

[origin: EP3780290A1] 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

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CPC (source: EP)

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

Citation (search report)

- [XI] US 2016141812 A1 20160519 - LI CHENGLI [CN]
- [XI] US 2007257764 A1 20071108 - D AGOSTINO THOMAS J [US], et al
- See also references of WO 2019187301A1

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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