

Title (en)

TEMPERATURE-MONITORED LOAD CONTACT MODULE AND COOLED CHARGING PLUG

Title (de)

TEMPERATURÜBERWACHTES LASTKONTAKTMODUL UND GEKÜHLTEN LADESTECKER

Title (fr)

MODULE À CONTACT DE CHARGE SOUMIS À UNE SURVEILLANCE DE TEMPÉRATURE ET CONNECTEUR DE CHARGE REFROIDI

Publication

**EP 3724024 A1 20201021 (DE)**

Application

**EP 18822311 A 20181211**

Priority

- DE 102017222808 A 20171214
- EP 2018084365 W 20181211

Abstract (en)

[origin: WO2019115529A1] The invention relates to a load contact module for a charging plug-in connection, comprising: a load contact (4), which is designed to electromechanically contact a load contact (6) to be inserted and/or slid on; a mounting portion (8), which is designed to connect the load contact module (2) to a support (10) of a charging plug (12) and/or of a charging socket; and a temperature sensor (14) for the temperature monitoring of a charging process, characterized in that the temperature sensor (14) has a distance (a) from the mounting portion (8).

IPC 8 full level

**B60L 53/16** (2019.01); **H01R 13/66** (2006.01)

CPC (source: EP US)

**B60L 53/16** (2019.02 - EP US); **H01R 13/6683** (2013.01 - US); **H01R 13/111** (2013.01 - EP); **H01R 13/6683** (2013.01 - EP); **H01R 2201/26** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 102017222808 A1 20190619**; CN 111448097 A 20200724; CN 111448097 B 20240315; EP 3724024 A1 20201021; US 11529881 B2 20221220; US 2020290468 A1 20200917; WO 2019115529 A1 20190620

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**DE 102017222808 A 20171214**; CN 201880079641 A 20181211; EP 18822311 A 20181211; EP 2018084365 W 20181211; US 201816768108 A 20181211