

Title (en)  
TEMPERATURE MONITORED CHARGING CONNECTOR PART

Title (de)  
TEMPERATURÜBERWACHTES LADESTECKVERBINDERTEIL

Title (fr)  
ÉLÉMENT CONNECTEUR DE CHARGE À TEMPÉRATURE SURVEILLÉE

Publication  
**EP 3994026 A1 20220511 (DE)**

Application  
**EP 20734505 A 20200622**

Priority

- DE 102019117648 A 20190701
- EP 2020067274 W 20200622

Abstract (en)  
[origin: WO2021001183A1] The invention relates to a connector part (1) for connecting to a mating connector part (3), comprising at least one load contact (10A, 10B) and at least one temperature sensor (11A, 11B) for detecting a temperature of the load contact (10A, 10B). An evaluation unit (12) which is designed to detect at least one sensor value of the temperature sensor (11A, 11B) and at least one value of a parameter with respect to an electrical current flow via the load contact (10A, 10B) is provided.

IPC 8 full level  
**B60L 53/16** (2019.01); **B60L 53/62** (2019.01)

CPC (source: CN EP US)  
**B60L 3/12** (2013.01 - EP); **B60L 53/16** (2019.01 - CN EP US); **B60L 53/60** (2019.01 - CN); **B60L 53/62** (2019.01 - CN EP US); **H01R 13/665** (2013.01 - CN); **H01R 13/6683** (2013.01 - CN US); **H02J 7/00304** (2020.01 - CN); **H02J 7/00309** (2020.01 - CN); **H02J 7/0031** (2013.01 - CN); **H02J 7/0042** (2013.01 - US); **H02J 7/0045** (2013.01 - CN); **H02J 7/0047** (2013.01 - CN US); **H02J 7/00714** (2020.01 - CN US); **H02J 7/007192** (2020.01 - CN US); **B60L 2240/545** (2013.01 - CN); **B60L 2240/549** (2013.01 - CN); **B60L 2240/80** (2013.01 - EP); **H02J 7/00309** (2020.01 - US); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP)

Citation (search report)  
See references of WO 2021001183A1

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

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BA ME

DOCDB simple family (publication)  
**DE 102019117648 A1 20210107**; CN 114128076 A 20220301; EP 3994026 A1 20220511; US 2022376525 A1 20221124; WO 2021001183 A1 20210107

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