

Title (en)
CHARGING STATION FOR ELECTRIC VEHICLES AND INTERFACE UNIT IN A CHARGING STATION OF THIS TYPE AS WELL AS A METHOD FOR OPERATING A CHARGING STATION

Title (de)
LADESTATION FÜR ELEKTROFAHRZEUGE SOWIE SCHNITTSTELLENEINRICHTUNG IN EINER SOLCHEN LADESTATION ALS AUCH VERFAHREN ZUM BETREIBEN EINER LADESTATION

Title (fr)
STATION DE CHARGE POUR VÉHICULES ÉLECTRIQUES, DISPOSITIF D'INTERFACE DANS UNE TELLE STATION DE CHARGE, ET PROCÉDÉ DE FONCTIONNEMENT D'UNE STATION DE CHARGE

Publication
EP 3337687 A1 20180627 (DE)

Application
EP 16727168 A 20160601

Priority
• DE 102015113799 A 20150820
• EP 2016062400 W 20160601

Abstract (en)
[origin: CA2995734A1] The invention relates to a charging station for electric vehicles comprising a charging control switch configured to control a charging procedure of an electric vehicle at the charging station, a communications module with a charging control interface configured for communication with the charging control switch, and an operator interface configured for communication with a central unit external to the charging station, wherein a first protocol is implemented in the operator interface for communication with the central unit. An improved interoperability is guaranteed by providing an interface unit arranged on the operator interface in the charging station, which communicates with the operator interface using the first protocol and with the external central unit using a second protocol that is different from the first protocol.

IPC 8 full level
B60L 11/18 (2006.01); **H02J 7/00** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP US)
B60L 53/305 (2019.01 - EP US); **B60L 53/665** (2019.01 - EP US); **B60L 53/68** (2019.01 - EP US); **G06Q 50/06** (2013.01 - EP US); **G07F 15/005** (2013.01 - US); **H02J 7/0013** (2013.01 - US); **H04Q 9/00** (2013.01 - EP US); **H04Q 2209/40** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US); **Y02T 10/7072** (2013.01 - EP US); **Y02T 90/12** (2013.01 - EP US); **Y02T 90/14** (2013.01 - US); **Y02T 90/16** (2013.01 - EP US)

Citation (search report)
See references of WO 2017028975A1

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)
DE 102015113799 A1 20170223; CA 2995734 A1 20170223; CA 2995734 C 20210615; CN 108025654 A 20180511; CN 108025654 B 20210518; EP 3337687 A1 20180627; US 10682918 B2 20200616; US 2018170204 A1 20180621; WO 2017028975 A1 20170223

DOCDB simple family (application)
DE 102015113799 A 20150820; CA 2995734 A 20160601; CN 201680054587 A 20160601; EP 16727168 A 20160601; EP 2016062400 W 20160601; US 201815899089 A 20180219