

Title (en)
VEHICLE CHARGING STATION COMPRISING AN ARTICULATED ARM

Title (de)
FAHRZEUGLADESTATION MIT EINEM GELENKARM

Title (fr)
STATION DE CHARGE DE VÉHICULE AVEC UN BRAS ARTICULÉ

Publication
EP 3140151 A1 20170315 (DE)

Application
EP 15732593 A 20150623

Priority
• AT 505082014 A 20140723
• EP 2015064079 W 20150623

Abstract (en)
[origin: WO2016012173A1] The invention relates to a vehicle charging station for charging the energy accumulator (17) in a battery-driven vehicle (5), in particular an electric bus or a hybrid vehicle, the vehicle (5) parking in a pre-defined parking position (24) during the charging process. Said charging station comprises: a) a base (2) which is arranged in the vicinity of the pre-defined parking position (24); b) an articulated arm (4), one end of which is mounted in a revolute joint (3) on the base (2) and is rotary driven by means of a rotary drive (31) and the other end of which is connected to a supply-contact device (8) by means of a second revolute joint (7), such that the supply-contact device (8) can be moved, by means of a pivoting movement of the articulated arm (4), between an idle position, in which the supply-contact device (8) is positioned above the vehicle roof (10), and a working position, in which, for charging purposes, electrical contact is made between the supply-contact device (8) and a receiving-contact device (9) arranged in a static manner on the vehicle roof (10).

IPC 8 full level
B60L 11/18 (2006.01); **H01M 10/44** (2006.01)

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Citation (search report)
See references of WO 2016012173A1

Citation (examination)
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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)
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DOCDB simple family (publication)
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