

Title (en)

METHOD AND DEVICE FOR AUTOMATICALLY CONNECTING A CHARGING CONNECTOR TO A CHARGING CONNECTOR SOCKET OF A VEHICLE, IN PARTICULAR A LAND VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SELBSTTÄTIGEN VERBINDEN EINES AUFLADEANSCHLUSSES MIT EINER AUFLADEANSCHLUSSAUFNAHME EINES FAHRZEUGS, INSBESONDERE EINES LANDFAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS À CONNECTER AUTOMATIQUEMENT UNE BORNE DE RECHARGE À UNE PRISE DE BORNE DE RECHARGE D'UN VÉHICULE, EN PARTICULIER D'UN VÉHICULE TERRESTRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2019166519A1] The invention relates to a method for automatically connecting a charging connector (12) to a charging connector socket (21) of a vehicle (2), preferably a land vehicle (2), comprising at least the following steps: a first optical capturing (100) of the charging connector socket (21) and/or the vehicle (2) as a first image by means of at least one first image capturing unit (13), which is arranged such that it moves with the charging connector (12); determining (200) the position of the charging connector socket (21) and/or the vehicle (2) based on the first image; reducing (300) the distance of the charging connector (12) to the charging connector socket (21) and/or to the vehicle (2) by means of a positioning unit (10); and a second optical capturing (400) of the charging connector socket (21) and/or the vehicle (2) as a second image by means of the first image capturing unit (13).

IPC 8 full level

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