

Title (en)
POSITIONING UNIT AND CONTACTING METHOD

Title (de)
POSITIONIEREINHEIT UND VERFAHREN ZUR KONTAKTIERUNG

Title (fr)
UNITÉ DE POSITIONNEMENT ET PROCÉDÉ DE MISE EN CONTACT

Publication
EP 4294666 A1 20231227 (DE)

Application
EP 21706882 A 20210217

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EP 2021053906 W 20210217

Abstract (en)
[origin: WO2022174896A1] The invention relates to a positioning unit and to a method for forming an electrically conductive connection between an electrically driven vehicle, more particularly electric bus or the like, and a stationary charging station, using a positioning unit, wherein: the positioning unit is designed such that it can be arranged on a vehicle roof; a contact device of the positioning unit is movable relative to a charging contact device of the charging station and can be electrically contacted by said charging contact device in a contact position; the positioning unit has an articulated arm device (32) for positioning the contact device and a drive device (33) for driving the articulated arm device; the articulated arm device has a pivoting mechanism with a pivoting arm (34) that can be pivoted about a pivot axis (37), by means of which pivoting mechanism the contact device is pivotable from a storage orientation in a retracted position of the positioning unit for storing the contact device into a contact orientation of the contact position, and vice versa; and the positioning unit comprises a holding device (36) by means of which the pivoting arm can be form-fittingly fixed in the storage orientation.

IPC 8 full level
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Citation (search report)
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