

Title (en)

CHARGING STATION FOR CHARGING AN ELECTRICAL ENERGY ACCUMULATOR OF A ROAD VEHICLE

Title (de)

LADESTATION ZUM AUFLADEN EINES ELEKTRISCHEN ENERGIESPEICHERS EINES STRAßENFAHRZEUGS

Title (fr)

STATION DE CHARGE POUR RECHARGER UN ACCUMULATEUR D'ÉNERGIE ÉLECTRIQUE D'UN VÉHICULE ROUTIER

Publication

EP 3999371 A1 20220525 (DE)

Application

EP 20753881 A 20200720

Priority

- DE 102019214552 A 20190924
- EP 2020070447 W 20200720

Abstract (en)

[origin: WO2021058168A1] The invention relates to a charging station (4) for charging an electrical energy accumulator (2) of a road vehicle (1). For energy supply from a two-pole overhead line system, the road vehicle (1) has a pantograph (5) with at least one wearing strip (10), which can be raised and lowered, for each contact pole (9). For each contact pole (9), the charging station (4) comprises at least two charging contacts (11) which are arranged above a charging position for the road vehicle (1) and are arranged next to each other so that for each contact pole (9) at least two contact points can be established between the wearing strip (10) and the charging contacts (11). This makes it possible to transmit higher charging currents, which shortens the charging time for the energy accumulator (2).

IPC 8 full level

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CPC (source: EP US)

B60L 5/24 (2013.01 - US); **B60L 5/36** (2013.01 - EP US); **B60L 5/42** (2013.01 - EP); **B60L 53/14** (2019.01 - EP); **B60L 53/16** (2019.01 - EP US); **B60L 53/30** (2019.01 - EP); **B60L 53/60** (2019.01 - 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 2021058168A1

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