Title (en)

CHARGING STATION, SYSTEM, AND METHOD

Title (de)

LADESTATION, SYSTEM UND VERFAHREN

Title (fr)

STATION, SYSTÈME ET PROCÉDÉ DE CHARGE

Publication

EP 4196364 A1 20230621 (DE)

Application

EP 22714140 A 20220309

Priority

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Abstract (en)

[origin: WO2022207258A1] The invention relates to a charging station (1) for charging a stored energy source (110) of an electric vehicle (100) with electrical energy, and/or discharging said stored energy source, by means of a multiphase grid which can be coupled to the charging station (1). The charging station comprises a converter (10) connected between a number of phases (L1, L2, L3) of the multiphase grid (120) and a number of output conductors (A1, A2, A3) of the charging station (1), which are able to be coupled to the stored energy source (110). The converter has a plurality of controllable semiconductor switching elements and a control unit (20) designed to control the controllable semiconductor switching elements of the converter (10) such that currents (I1, I2, I3) with at least two different current intensities, more particularly with at least two different effective values, result on the phases (L1, L2, L3).

IPC 8 full level

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CPC (source: EP)

B60L 53/11 (2019.01); **B60L 53/14** (2019.01); **H02J 3/26** (2013.01); H02J 3/322 (2020.01); H02J 2207/20 (2020.01)

Citation (search report)

See references of WO 2022207258A1

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