

Title (en)
CHARGING STATION, SYSTEM, AND METHOD

Title (de)
LADESTATION, SYSTEM UND VERFAHREN

Title (fr)
STATION, SYSTÈME ET PROCÉDÉ DE CHARGE

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Application
EP 22714140 A 20220309

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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).

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