

Title (en)

ADAPTER DEVICE AND METHOD FOR CHARGING A VEHICLE

Title (de)

ADAPTEREINRICHTUNG UND VERFAHREN ZUM ENERGETISCHEN LADEN EINES FAHRZEUGS

Title (fr)

DISPOSITIF D'ADAPTATION ET PROCÉDÉ DESTINÉS À LA CHARGE D'UN VÉHICULE EN ÉNERGIE

Publication

**EP 2296934 A1 20110323 (DE)**

Application

**EP 09779409 A 20090506**

Priority

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Abstract (en)

[origin: WO2010003711A1] The invention relates to an adapter device (10) and a method for charging a vehicle (20), having an interface (11) for detecting internal vehicle operation data (30) containing factors which report driving habits according to lifestyle, and an interface (12) for detecting details related to the fluctuation of energy prices (31), having a device (13) for detecting and planning requirements, said device (13) being designed for deducing an energy requirement profile (40) using the vehicle operation data (30) and for producing a future requirement plan based on at least one of the named factors, said device (13) further being suitable for deducing the duration and frequency of vehicle down times (41, 41') by incorporating the requirement plan, having a charging optimizing device (14) which is designed for comparing the vehicle down times (41, 41') with the energy price fluctuation (31) details and for producing a vehicle charging plan (42) which is optimized for time and/or price and is based on the results of the comparison, and having a charging control unit (15) which is designed for charging the vehicle (20) from an energy storage (21) in a manner controlled by the charging plan.

IPC 8 full level

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