

Title (en)

TRANSMISSION OF POWER BIDIRECTIONALLY AND WITHOUT CONTACT TO CHARGE ELECTRIC VEHICLES

Title (de)

BIDIREKTIONALE UND BERÜHRUNGSFREIE ÜBERTRAGUNG VON LEISTUNG ZUM LADEN VON ELEKTROFAHRZEUGEN

Title (fr)

TRANSMISSION DE PUISSANCE BIDIRECTIONNELLE ET SANS CONTACT POUR LA CHARGE DE VÉHICULES ÉLECTRIQUES

Publication

**EP 2416982 A1 20120215 (DE)**

Application

**EP 10717571 A 20100406**

Priority

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Abstract (en)

[origin: WO2010115867A1] The invention relates to a device for transmitting power without contact to charge electric vehicles. The converter that feeds the electric drive and is present anyway in an electric vehicle also is used for transmitting energy to the vehicle without contact. For this purpose, a resonant operation is proposed for the inductive transmission of energy. The leakage inductance of the transformer is resonantly adjusted therefor by means of a serial capacitor. The load current is then switched at the zero-crossing.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010115867A1

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