

Title (en)  
DEVICE FOR THE INDUCTIVE TRANSMISSION OF ELECTRIC POWER

Title (de)  
VORRICHTUNG ZUR INDUKTIVEN ÜBERTRAGUNG ELEKTRISCHER ENERGIE

Title (fr)  
PROCEDE DE TRANSMISSION INDUCTIVE D'ENERGIE ELECTRIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO03085797A2] The invention relates to a device for the inductive transmission of electric power to a mobile consumer with a secondary inductivity that is mobile relative to a stationary primary inductivity and to which a rectifier and a switching regulator are connected downstream thereof to generate a first direct current of a defined value. In order to generate at least one additional direct current, the output (A, B) of the switching regulator is configured as a capacitive voltage divider (C21, C22) whose total voltage is the first direct voltage UL and at whose tap (E) the additional direct voltage UL2 is available. The tap (E) of the voltage divider (C21, C22) is linked with a leak-off (C) of the secondary inductivity (L11, L12) having the same division ratio via a diode (D2) whose anode is connected to the leak-off (C). In this manner, a stable, low output voltage can be additionally made available without much effort for the conversion of which to a low voltage a direct current converter having a correspondingly low transmission ratio is sufficient.

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