

Title (en)
ELECTRICITY SUPPLY SYSTEM HAVING DOUBLE POWER-STORAGE DEVICES OF A HYBRID OR ELECTRIC MOTOR VEHICLE

Title (de)
STROMVERSORGUNGSSYSTEM MIT ZWEI STROMSPEICHERVORRICHTUNGEN EINES HYBRID- ODER ELEKTROFAHRZEUGS

Title (fr)
SYSTEME D'ALIMENTATION ELECTRIQUE A DOUBLE STOCKEURS D'ENERGIE ELECTRIQUE D'UN VEHICULE AUTOMOBILE OU HYBRIDE

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Application
EP 13801622 A 20131029

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Abstract (en)
[origin: WO2014068245A2] The invention relates to an electricity supply system having double power-storage devices (1) which is suitable for implementation in an electric or hybrid motor vehicle. The supply system is intended for being connected to a power network (5) of the vehicle. The supply system is of the type that includes a first power-storage device (2), having a first specific energy, a first specific power and a first operating voltage (Ue), and a second power-storage device (3), having a second specific energy that is lower than the first specific energy, a second specific power that is higher than the first specific power and a second operating voltage (Up) that is higher than the first operating voltage (Ue). The first and second power-storage devices are electrically coupled by a bidirectional DC-DC converter (4) controlled in accordance with the operating states of the vehicle. According to the invention, the DC-DC converter (4) includes a floating capacitor (14) connected in series between the first and second power-storage devices.

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