

Title (en)
ENERGY SUPPLY SYSTEM HAVING A COUPLING DEVICE

Title (de)
ENERGIEVERSORGUNGSANLAGE MIT EINER KOPPELEINRICHTUNG

Title (fr)
SYSTÈME D'ALIMENTATION EN ÉNERGIE DOTÉ D'UN DISPOSITIF DE COUPLAGE

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Abstract (en)
[origin: WO2021023604A1] A local power supply system (1) having a network transfer point (4) for the connection of an energy supply network (5) has a first transmission line (2) for transmitting electrical energy from the network transfer point (4) to a first connection (16) for connecting an arrangement of consumers (6), and a second transmission line (3) for transmitting electrical energy from the network transfer point (4) to a second connection (18) for connecting an arrangement of energy stores (8). A first separating point (7) is arranged in the first transition line (2) between the network transfer point (4) and the first connection (16), and a second separating point (9) is arranged in the second transmission line (3) between the network transfer point (4) and the second connection (18). A coupling device (10), which electrically connects the first connection (16) and the second connection (18), has a first switch (11) and a second switch (13) connected in series thereto, wherein a coupling element (12) is arranged between the two switches (11, 13) connected in series, which coupling element has a grounding apparatus, a phase connection apparatus, a neutral conductor connection apparatus, a connection to a diesel generator and/or an apparatus for generating a neutral conductor potential. The invention also relates to a method for operating such a system.

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