

Title (en)
 DEVICE FOR SUPPLYING ELECTRIC POWER TO AT LEAST ONE ELECTRICAL ENERGY-CONSUMING UNIT OR TO AT LEAST ONE ELECTRICAL ENERGY-SUPPLYING UNIT

Title (de)
 VORRICHTUNG ZUR BEREITSTELLUNG VON ELEKTRISCHEM STROM AN MINDESTENS EINE EINHEIT, DIE ELEKTRISCHE ENERGIE VERBRAUCHT, ODER AN MINDESTENS EINE EINHEIT, DIE ELEKTRISCHE ENERGIE BEREITSTELLT

Title (fr)
 DISPOSITIF D'ALIMENTATION ÉLECTRIQUE D'AU MOINS UN ORGANE DE CONSOMMATION D'ÉNERGIE ÉLECTRIQUE OU D'AU MOINS UN ORGANE DE RESTITUTION D'ÉNERGIE ÉLECTRIQUE

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Application
EP 20707502 A 20200130

Priority

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Abstract (en)
 [origin: WO2020161414A1] Device for supplying electric power to at least one electrical energy-consuming unit or to at least one electrical energy-supplying unit or to at least one electrical energy-consuming and -supplying unit (1021) of an electrical installation, the device comprising a plurality of electrical energy generators (1011, 1012, 1013), each generator of the plurality being connected electrically in parallel with the other generators, each generator comprising a computing unit (UCk), a power converter (CPk) and an electrical energy storage and supply element (ESk), the power converter (CPk) of a generator (1011, 1012, 1013) being bidirectional and configured so as to supervise a value of a setting variable (Vk) on the basis of an electric charging or discharging power (Pcalk) of the storage element (ESk) of said generator, the electric charging or discharging power (Pcalk) being calculated in real time by the computing unit (UCk) on the basis: - of a function of the values of the setting variables (Vk) of the electric charging or discharging power (Pcalk) of each of the storage and supply elements of the other generators (1011, 1012, 1013); and - of a determined setpoint power P; and - of a number of generators (1011, 1012, 1013) that are in a determined operating state, the sum of the electric charging or discharging powers (Pcalk) of each storage element of each generator of the plurality being equal to the determined setpoint electric power P.

IPC 8 full level
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Citation (search report)
 See references of WO 2020161414A1

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