

Title (en)

AUXILIARY SYSTEM FOR STORAGE AND SUPPLY OF ELECTRICAL ENERGY FOR MULTIPLE USES INCORPORATED IN AN ELECTRICITY PRODUCTION PLANT

Title (de)

HILFSSYSTEM ZUR SPEICHERUNG UND BEREITSTELLUNG VON ELEKTRISCHER ENERGIE FÜR MEHRERE VERWENDUNGEN IN EINER STROMERZEUGUNGSANLAGE

Title (fr)

SYSTÈME AUXILIAIRE DE STOCKAGE ET DE FOURNITURE D'ÉNERGIE ÉLECTRIQUE À USAGES MULTIPLES INTÉGRÉ À UNE CENTRALE DE PRODUCTION D'ÉLECTRICITÉ

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Application

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Priority

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Abstract (en)

[origin: WO2017025664A1] The invention relates to an appended system for supplying electrical energy for an electricity production plant comprising at least one turbine coupled to an alternator forming a main unit (2) for electrical energy production supplying an energy discharge grid (10), itself supplying a main auxiliary grid (4, 15) intended to supply the auxiliary systems (6,16) of the plant. The system comprises a secondary unit for electrical energy supply (7), itself comprising at least one elementary unit (8) for storing and restoring electrical energy in DC form. Said elementary unit comprises electrical energy storage elements (81) coupled to reversible DC-AC conversion means (82), ensuring, on demand, the charging of storage elements (81) by the main auxiliary grid (4) or the discharging of electrical energy stored in the storage elements (81) onto said main auxiliary grid (4).

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