

Title (en)
ENERGY MANAGEMENT METHOD AND SYSTEM

Title (de)
VERFAHREN UND SYSTEM ZUM ENERGIEMANAGEMENT

Title (fr)
PROCÉDÉ ET SYSTÈME DE GESTION D'ÉNERGIE

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Application
EP 20780618 A 20200923

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Abstract (en)
[origin: WO2021073844A1] The invention relates to an energy management method involving - at least one power grid, - at least one electrical energy-consuming process for producing at least one product and - at least one electrical energy-generating process, wherein the method is operated, on the basis of the control energy demand, in one of the following operating states: a) in the case of no control energy demand, in a normal mode in which the electrical energy-consuming process uses the energy from the electrical energy-generating process to produce at least one product, b) in the case of demand for negative control energy, in a storage mode in which additional electrical energy is fed from the power grid into the electrical energy-consuming process and thereby, in contrast to the normal mode, excess product is produced and stored, and c) in the case of demand for positive control energy, in an output mode in which the energy-consuming process is shut down or restricted and the electrical energy from the electrical energy-generating process is fed into the power grid.

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