

Title (en)

METHOD FOR OPTIMIZING CONSUMPTION OF REACTIVE POWER

Title (de)

VERFAHREN ZUR OPTIMIERUNG DES VERBRAUCHS VON REAKTIVER LEISTUNG

Title (fr)

PROCÉDÉ POUR OPTIMISER LA CONSOMMATION DE L'ÉNERGIE RÉACTIVE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016079435A1] The invention relates to a method for optimizing consumption of reactive power in an electrical network including a system for monitoring and adjusting electrical power supply, said system comprising an electrical generator, electrical loads, a power compensation system, an electric transmission line, an electro-digital processor and a remote-readable meter. The method comprises the steps consisting in: measuring the dataset of the electrical loads via at least one remote-readable meter; collecting the dataset of the electrical loads and transmitting it to the electro-digital processor in order to establish data curves; calculating a power factor of the electrical loads; enabling reactive power compensation by setting the type and configuration of the compensation systems to be installed, when the calculated power factor has a value lower than or equal to a predefined threshold value; and compensating for reactive power by actuating the installed compensation systems.

IPC 8 full level

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