

Title (en)

OPTIMIZING THE DISTRIBUTION OF ELECTRICAL ENERGY

Title (de)

OPTIMIEREN DES VERTEILENS VON ELEKTRISCHER ENERGIE

Title (fr)

OPTIMISATION DE LA DISTRIBUTION DE L'ÉNERGIE ÉLECTRIQUE

Publication

EP 3063713 A1 20160907 (DE)

Application

EP 14801963 A 20141110

Priority

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- EP 2014074177 W 20141110

Abstract (en)

[origin: WO2015113662A1] The invention relates to methods and systems for optimizing the distribution of electrical energy in an electrical power supply system (1) which comprises autonomous supply system regions (5, 6, 7, 8, 9), comprising the method steps of: - receiving input data (11) by at least two dispatcher instances (5a, 7a), wherein the input data (11) represents energy intervals (5i, 6i, 7i, 8i, 9i) which are requested by the autonomous supply system regions (5, 6, 7, 8, 9); - calculating at least one solution (5s, 7s) of the distribution of electrical energy to the supply system regions (5, 6, 7, 8, 9) by each of the at least two dispatcher instances (5a, 7a); - selecting one of the calculated solutions (5s, 7s) for the distribution of electrical energy in the power supply system (1) by means of a leader election. The invention relates to the technical field of distributing electrical energy and can be used, for example, for smart grids.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015113662A1

Citation (examination)

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