

Title (en)

ARRANGEMENT AND METHOD FOR OPTIMIZING THE OPERATION OF A SUPPLY NETWORK

Title (de)

ANORDNUNG UND VERFAHREN ZUR OPTIMIERUNG DER ARBEITSWEISE EINES VERSORGNUNGSNETZES

Title (fr)

INSTALLATION ET PROCÉDÉ D'OPTIMISATION DU MODE DE FONCTIONNEMENT D'UN RÉSEAU DE DISTRIBUTION

Publication

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Application

EP 11716169 A 20110127

Priority

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Abstract (en)

[origin: CA2788026A1] The invention relates to an arrangement for optimizing the operation of a supply network, in particular a water network, comprising a control system (1) for actuating elements of the water network, and a simulation unit (10) having a simulation environment (4) for setting up a simulation model (5) of the water network. With regard to the aim of specifying an arrangement and a method, with which the technical operation of a water network can be optimized without difficulty, efficiently and inexpensively and reliably, said arrangement is characterized by an optimization unit having an optimization environment (7) which receives data exported from the simulation environment (4) and additional data and, by using the exported data and additional data, optimized flowcharts for the actuation of the elements of the supply network are determined. A method for optimizing the operation of a supply network or network, in particular a water network, in which the above-mentioned arrangement is used, wherein data exported from the simulation environment (4) and additional data are received by the optimization environment (7) and, by using the exported data and additional data, optimized flowcharts for the actuation of the elements of the respective supply network or network are determined, likewise achieves the aforementioned aim.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2011092012A2

Citation (examination)

B. ULANICKI, P. L. M. BOUNDS, J. P. RANCE: "Using a GAMS modelling environment to solve network scheduling problems", MEASUREMENT + CONTROL, vol. 32, May 1999 (1999-05-01), pages 110 - 115, XP000896654

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DOCDB simple family (application)

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