

Title (en)

METHOD FOR MODELLING ONE OR MORE ENERGY CONVERSION INSTALLATIONS IN AN ENERGY MANAGEMENT SYSTEM

Title (de)

VERFAHREN ZUR MODELLIERUNG EINER ODER MEHRERER ENERGIEWANDLUNGSANLAGEN IN EINEM ENERGIEMANAGEMENTSYSTEM

Title (fr)

PROCÉDÉ POUR MODÉLISER UNE OU PLUSIEURS INSTALLATIONS DE CONVERSION D'ÉNERGIE DANS UN SYSTÈME DE GESTION D'ÉNERGIE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021027994A1] The invention relates to a method for modelling one or more energy conversion installations (2) in an energy management system (1) and addresses the problem of specifying a solution allowing an improved, more efficient and simple control of an energy management system (1). This problem is solved in that a technology-independent abstract model (26) is generated for each energy conversion installation (2) with its particular static parameters (17) and its particular dynamic parameters (18), wherein the parameters (17, 18) are uniform and independent of the type of energy conversion installation (2), wherein dynamic parameters (18) are formed by processing (63) by means of mathematical algorithms (33) and optimisations (34) on the basis of a demand forecast (29) and restrictions for the installation operation (32), and wherein static parameters (17) are formed by inputting technology-independent installation parameters.

IPC 8 full level

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