Title (en)

]METHOD, HEAT TRANSFER SYSTEM, ADJUSTMENT SYSTEM AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING A HEAT TRANSFER SYSTEM

Title (de)

VERFAHREN, WÄRMEÜBERTRAGUNGSSYSTEM, REGELSYSTEM UND COMPUTERPROGRAMMPRODUKT ZUR STEUERUNG EINES WÄRMEÜBERTRAGUNGSSYSTEMS

Title (fr)

PROCÉDÉ, SYSTÈME DE TRANSFERT DE CHALEUR, SYSTÈME DE RÉGLAGE ET PRODUIT-PROGRAMME D'ORDINATEUR POUR COMMANDER UN SYSTÈME DE TRANSFERT DE CHALEUR

Publication

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Application

EP 12733968 A 20120103

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Abstract (en)

[origin: WO2012095558A1] In the invention the operation of a heat transfer system, which has liquid or air circulation, is optimised in a target (206), which has two or more parts (207a, 207b, 207c), which have different heat demands. The heat transfer system has a supply part (203) and a return part (210) and two or more heating or cooling units (220a, 220b, 220c), which are controlled with actuators (208a, 208b, 208c), and an adjustment for controlling these and for adjusting the supply part. A heat demand compensation value is calculated for each part of the target and the highest of them is selected. The operation of the supply part, i.e. the temperature or flow rate of the liquid or air, is adjusted based on the selected heat demand compensation value. The highest heat demand compensation value means that the target, from where the value in question was received, needs the most heat. The actuator of the heating unit in the part of the target, which has the highest heat demand compensation value, is adjusted substantially to its maximum value. The operation of the supply part is adjusted so that the heat demand of the part of the target, which has the highest heat demand compensation value, is fulfilled. Thus the heat transfer system is optimised according to the maximum demand. Thus for example heating water does not need to be heated excessively.

IPC 8 full level

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