

Title (en)

METHOD FOR CONTROLLING A COUPLED HEAT EXCHANGER SYSTEM AND HEAT-EXCHANGER SYSTEM

Title (de)

VERFAHREN ZUR REGELUNG EINES GEKOPPELTEN WÄRMETAUSCHER-SYSTEMS UND WÄRMETAUSCHER-SYSTEM

Title (fr)

PROCÉDÉ DE RÉGULTATION D'UN SYSTÈME D'ÉCHANGEURS DE CHALEUR COUPLÉS ET SYSTÈME D'ÉCHANGEURS DE CHALEUR

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Application

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Abstract (en)

[origin: WO2016055162A1] The invention relates to a method for controlling a coupled heat exchanger system which comprises a first heat exchanger block (1) and a second heat exchanger block (2). A first fluid stream (3), which is divided into a first partial current (4) and a second partial current (5), flows through the heat exchanger system. A second fluid stream (6) is guided through the first heat exchanger block (1) in the stream counter to the first partial current (4). A third fluid stream (7) is guided through the second heat exchanger block (2) in the stream counter to the second partial current (5). An intermediate temperature (TI) is measured on one of the two heat exchanger blocks (1, 2). Part of the first fluid stream (3) which flows into the first partial current (4) and part of the first fluid stream which flows into the second partial current (5) are controlled in accordance with the current value of said intermediate temperature (TI). Said control reduces the strain of the heat exchanger by changing the loads whilst maintaining fluctuations of the intermediate temperature as low as possible.

IPC 8 full level

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