

Title (en)

HEAT EXCHANGE SYSTEM AND METHOD FOR OPERATING A HEAT EXCHANGE SYSTEM

Title (de)

WÄRMETAUSCHSYSTEM, SOWIE EIN VERFAHREN ZUM BETREIBEN EINES WÄRMETAUSCHSYSTEMS

Title (fr)

SYSTÈME D'ÉCHANGE DE CHALEUR ET PROCÉDÉ D'UTILISATION D'UN SYSTÈME D'ÉCHANGE DE CHALEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011003444A1] The invention relates to a heat exchange system (1), comprising a heat exchanger (2) having a flow channel (210) arranged in a flow segment (21). In order to exchange heat between a transport fluid (3) and a heating means (4) that flows through the flow channel (210) in the operating state, the transport fluid (3) can be brought into flow contact with the heat exchanger (2) by means of an inflow area (201) and led away from the heat exchanger (2) by means of an outflow area (202). According to the invention, a soiling sensor (5) in the form of a pressure sensor (5) and/or a speed sensor (5) is provided in order to determine a degree of soiling (V) of the heat exchanger (2), by means of which soiling sensor a transport parameter (TK) that is characteristic of the flow of the transport fluid (3) from the inflow surface (201) across the outflow surface (202) can be determined. The invention further relates to a method for operating a heat exchange system (1).

IPC 8 full level

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Citation (search report)

See references of WO 2011003444A1

Citation (examination)

- EP 0803695 A2 19971029 - DENSO CORP [JP]
- EP 0215344 A1 19870325 - HITACHI LTD [JP]

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DOCDB simple family (publication)

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