

Title (en)

DEVICE AND METHOD FOR DIAGNOSING OBSTRUCTIONS IN CHANNELS OF A MICRO HEAT EXCHANGER

Title (de)

ANORDNUNG UND VERFAHREN ZUR DIAGNOSE VON VERSTOPFUNGEN IN KANÄLEN EINES MIKROWÄRMEÜBERTRAGERS

Title (fr)

DISPOSITIF ET PROCEDE POUR DIAGNOSTIQUER UNE OBSTRUCTION DANS DES CANAUX D'UN MICRO-ECHANGEUR THERMIQUES

Publication

EP 1590617 A1 20051102 (DE)

Application

EP 04703780 A 20040121

Priority

- EP 2004000464 W 20040121
- DE 10302156 A 20030121

Abstract (en)

[origin: WO2004065885A1] In order to diagnose obstructions in channels (8) of a micro heat exchanger (1), at least one temperature sensor (9) is externally placed on the micro heat exchanger (1) and an evaluating device (10) is connected to this sensor. Said evaluating device diagnoses an obstruction based on changes in the measured temperature in the event of unchanged entry parameters of the fluids (4, 7) involved in the heat exchange.

IPC 1-7

F28F 27/00; F28F 19/00

IPC 8 full level

F28F 19/00 (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP US)

F28F 19/00 (2013.01 - EP US); **F28F 27/00** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2004065885A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 2004065885 A1 20040805; DE 10302156 A1 20040805; EP 1590617 A1 20051102; US 2006225864 A1 20061012

DOCDB simple family (application)

EP 2004000464 W 20040121; DE 10302156 A 20030121; EP 04703780 A 20040121; US 54257004 A 20040121