

Title (en)

HEAT EXCHANGING SYSTEM HAVING A HEAT EXCHANGER, AND A METHOD FOR MANUFACTURING A HEAT EXCHANGING SYSTEM

Title (de)

WÄRMEAUSTAUSCHSYSTEM MIT EINEM WÄRMETAUSCHER, SOWIE EIN VERFAHREN ZUR HERSTELLUNG EINES WÄRMEAUSTAUSCHSYSTEMS

Title (fr)

SYSTÈME D'ÉCHANGE DE CHALEUR DOTÉ D'UN ÉCHANGEUR DE CHALEUR ET PROCÉDÉ DE FABRICATION D'UN SYSTÈME D'ÉCHANGE DE CHALEUR

Publication

EP 2176615 A1 20100421 (DE)

Application

EP 08759967 A 20080523

Priority

- EP 2008056366 W 20080523
- EP 07112060 A 20070709
- EP 08759967 A 20080523

Abstract (en)

[origin: WO2009007168A1] The invention relates to a heat exchanging system (1) having a heat exchanger (2) for exchanging heat between a fluid (3) and a surrounding atmosphere. The heat exchanger (2) comprises here an inlet duct (4), an outlet duct (5) and a heat exchanger (6) with 5 of a plurality of microducts (61), wherein the inlet duct (4) is fluidically connected to an inlet segment (62) of the heat exchanger (6), and the outlet duct (5) is fluidically connected to an outlet segment (63) of the heat exchanger (6) in such a way that, in order to exchange heat with the surrounding atmosphere, the fluid (3) can be fed from the inlet duct (4) via the inlet segment (62), through the plurality of microducts (61) of the heat exchanger (6), and via the outlet segment (63) to the outlet duct (5). According to the invention, the heat exchanging system (1) comprises a compensation means (7) for equalizing thermomechanical stresses. The invention also relates to a method for manufacturing a heat exchanging system (1) according to the invention.

IPC 8 full level

F28D 1/053 (2006.01); **F28D 5/02** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP US)

B60L 3/003 (2013.01 - EP US); **F28D 1/05375** (2013.01 - EP US); **F28D 5/02** (2013.01 - EP US); **F28F 9/262** (2013.01 - EP US); **F28F 19/06** (2013.01 - EP US); **B60L 2210/40** (2013.01 - EP US); **B60L 2240/36** (2013.01 - EP US); **F28D 15/0266** (2013.01 - EP US); **F28F 2260/02** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US); **Y02T 10/72** (2013.01 - EP US); **Y02T 90/16** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Citation (search report)

See references of WO 2009007168A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009007168 A1 20090115; AU 2008274447 A1 20090115; BR PI0813641 A2 20141223; CA 2697348 A1 20090115; CN 101730829 A 20100609; EP 2176615 A1 20100421; JP 2010532859 A 20101014; MX 2010000398 A 20100503; RU 2010104252 A 20110820; US 2010254081 A1 20101007

DOCDB simple family (application)

EP 2008056366 W 20080523; AU 2008274447 A 20080523; BR PI0813641 A 20080523; CA 2697348 A 20080523; CN 200880023930 A 20080523; EP 08759967 A 20080523; JP 2010515438 A 20080523; MX 2010000398 A 20080523; RU 2010104252 A 20080523; US 66793208 A 20080523