

Title (en)

HEAT EXCHANGE ELEMENT AND SYSTEMS AND METHOD FOR EXCHANGING THERMAL ENERGY

Title (de)

WÄRMEAUSTAUSCHELEMENT UND SYSTEME UND VERFAHREN ZUM AUSTAUSCH VON WÄRMEENERGIE

Title (fr)

ÉLÉMENT D'ÉCHANGE DE CHALEUR, SYSTÈMES ET PROCÉDÉ D'ÉCHANGE D'ÉNERGIE THERMIQUE

Publication

EP 4306890 A1 20240117 (EN)

Application

EP 22184025 A 20220711

Priority

EP 22184025 A 20220711

Abstract (en)

A heat exchange element, comprising: an outer flow element, an inner flow element arranged within the outer flow element, an element flow path comprising forward flow path and a return flow path, wherein the forward flow path is arranged between the outer flow element and the inner flow element, the return flow path is arranged within the inner flow element, the element flow path is configured to guide a working fluid from the forward flow path to the return flow path, a pressure control element, arranged fluidically between the forward flow path and the return flow path.

IPC 8 full level

F28D 7/12 (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP)

F28D 7/12 (2013.01); **F28F 27/00** (2013.01); **F28F 2265/12** (2013.01)

Citation (search report)

- [XA] US 2942858 A 19600628 - STONEBURNER EDWIN B
- [X] US 2463996 A 19490308 - POLK GILBERT C
- [A] JP S58210491 A 19831207 - NIPPON KOKAN KK

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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