

Title (en)
HEAT TRANSFER DEVICE

Title (de)
VORRICHTUNG ZUR WÄRMEÜBERTRAGUNG

Title (fr)
DISPOSITIF DE TRANSMISSION DE CHALEUR

Publication
EP 1456591 A1 20040915 (DE)

Application
EP 02760144 A 20020831

Priority
• DE 0203216 W 20020831
• DE 10160380 A 20011210

Abstract (en)
[origin: DE10160380A1] The invention relates to a heat transfer device (110) which comprises at least one first channel through which a high pressure-side fluid flows, and at least one second channel, separate from the first channel, through which a low pressure-side fluid flows. The device has a layer structure consisting of at least one heat transfer plate (112) for the high-pressure fluid and at least one heat transfer plate (114) for the low pressure fluid. The high-pressure fluid is a coolant and the low-pressure fluid is a liquid heat transfer fluid.
[origin: DE10160380A1] The heat transmission device has at least one first channel with high pressure fluid flowing through it and a separate second channel with low pressure fluid flowing through it. There are heat transfer plates for both fluids. The high pressure fluid is a coolant and the low pressure fluid is a heat carrier.

IPC 1-7
F28D 9/00; F28F 3/04

IPC 8 full level
B60H 1/32 (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)
F28D 9/0043 (2013.01); **F28F 3/048** (2013.01); **F28D 2021/0073** (2013.01); **F28F 2250/104** (2013.01); **F28F 2260/02** (2013.01)

Citation (search report)
See references of WO 03054468A1

Cited by
CN108332588A; US10767933B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
DE 10160380 A1 20030618; DE 50210002 D1 20070531; EP 1456591 A1 20040915; EP 1456591 B1 20070418; JP 2005513404 A 20050512; WO 03054468 A1 20030703

DOCDB simple family (application)
DE 10160380 A 20011210; DE 0203216 W 20020831; DE 50210002 T 20020831; EP 02760144 A 20020831; JP 2003555137 A 20020831