

Title (en)

Heat transfer device

Title (de)

Vorrichtung zur Wärmeübertragung

Title (fr)

Dispositif de transfert de chaleur

Publication

**EP 1906128 A3 20080409 (EN)**

Application

**EP 07024250 A 20041022**

Priority

- EP 04025179 A 20041022
- CN 200310102364 A 20031027

Abstract (en)

[origin: EP1528349A1] The heat transfer device (200) at least comprises: an evaporator (210), a heat conductor (220) and a connecting pipe (230). The evaporator (210) comprises: a first hollow tube; a porous core (214) mortised inside the first hollow tube (212), and a second hollow tube (216) mortised on the first hollow tube (212). The heat conductor (220) covers the evaporator (210). The heat conductor (220) is on the heating device. The connecting pipe (230) is connected to first and second hollow tubes (212,216). The connecting pipe (230) is used for containing a working fluid. The condenser is on the connecting pipe. The porous core (214), the first and second hollow tube (212,216), and the heat conductor (220) are mortised together so as to simplify the manufacturing process, and reduce the cost. Further, the evaporator (210) is tightly covered and fixed by the heat conductor (220) so that the heat generated by the heating device (20) can be uniformly conducted to the evaporator (210).

IPC 8 full level

**F28D 15/04** (2006.01)

CPC (source: EP)

**F28D 15/043** (2013.01)

Citation (search report)

- [X] US 2003178184 A1 20030925 - KROLICZEK EDWARD J [US], et al
- [X] US 6330907 B1 20011218 - OGUSHI TETSUROU [JP], et al
- [A] US 3750745 A 19730807 - MOORE R
- [A] DE 3042985 A1 19820624 - KABEL METALLWERKE GHH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 0091, no. 17 (M - 381) 22 May 1985 (1985-05-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01 29 January 1999 (1999-01-29)

Cited by

CN107317574A; CN105423790A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1528349 A1 20050504; EP 1528349 B1 20080514**; AT E395567 T1 20080515; CN 1303494 C 20070307; CN 1612083 A 20050504; DE 602004013702 D1 20080626; EP 1906128 A2 20080402; EP 1906128 A3 20080409; ES 2305643 T3 20081101

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