

Title (en)

HOUSING WITH ROTATING MACHINE ELEMENT AND HEAT EXCHANGER AND PRODUCTION METHOD

Title (de)

GEHÄUSE MIT ROTIERENDEM MASCHINENELEMENT UND WÄRMETAUSCHER UND HERSTELLUNGSVERFAHREN

Title (fr)

BOÎTIER AVEC ÉLÉMENT DE MACHINE ROTATIF ET ÉCHANGEUR DE CHALEUR ET PROCÉDÉ DE PRODUCTION

Publication

EP 1989500 A1 20081112 (DE)

Application

EP 07702450 A 20070215

Priority

- DE 2007000297 W 20070215
- DE 102006008857 A 20060225

Abstract (en)

[origin: WO2007095905A1] The invention relates to a heat exchanger comprising at least one pipe (1) and at least one lamella (2) for exchanging heat between a first coolant, which flows through the pipe (1), and a second coolant which moistens the heat exchanger due to the effect of flowing forces for cooling, and for additionally cooling a rotating machine element (3) which is arranged in a housing (4). Said heat exchanger is practically circular and essentially surrounds the rotating machine element and is integrated into the housing (4).

IPC 8 full level

F28D 1/047 (2006.01); **F28D 3/02** (2006.01)

CPC (source: EP US)

F28D 1/0471 (2013.01 - EP US); **F28D 3/02** (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28F 13/125** (2013.01 - EP US); **F01P 2060/04** (2013.01 - EP US); **F28D 2001/0273** (2013.01 - EP US); **F28D 2021/0049** (2013.01 - EP US); **F28F 2275/122** (2013.01 - EP US); **F28F 2280/00** (2013.01 - EP US); **Y10T 29/4935** (2015.01 - EP US)

Citation (search report)

See references of WO 2007095905A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2007095905 A1 20070830; CN 101389919 A 20090318; CN 101389919 B 20111214; DE 102006008857 A1 20070920; EP 1989500 A1 20081112; EP 1989500 B1 20160413; EP 1989500 B8 20160720; JP 2009527720 A 20090730; JP 4982878 B2 20120725; US 2009056913 A1 20090305; US 8033321 B2 20111011

DOCDB simple family (application)

DE 2007000297 W 20070215; CN 200780006589 A 20070215; DE 102006008857 A 20060225; EP 07702450 A 20070215; JP 2008555611 A 20070215; US 22910908 A 20080820