

Title (en)
Cooling device

Title (de)
Kühlvorrichtung

Title (fr)
Dispositif de refroidissement

Publication
EP 1382927 A3 20050914 (EN)

Application
EP 03077306 A 20030718

Priority
NL 1021111 A 20020719

Abstract (en)
[origin: EP1382927A2] Cooling device (1) comprising at least one gas or air cooling chamber (3) and at least one fluid cooling chamber (2), particularly oil cooling chamber, positioned adjacently, as well as one or more tubes (7) for passage of coolant, which tubes (7) extend through both the air cooling chamber (3) and the fluid cooling chamber (2), in which between the adjacently placed walls of the air cooling chamber and the fluid cooling chamber, a separation chamber (26,27) is placed through which the tubes (7) extend, in which in the separation chamber means (24) are placed which are in stationary contact with the outer surface of the tubes (7) for intercepting a fluid flow past said outer surface. <IMAGE>

IPC 1-7
F28D 7/00; **F28F 9/02**

IPC 8 full level
F04B 39/06 (2006.01); **F28D 7/00** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
F04B 39/06 (2013.01); **F28D 7/0091** (2013.01); **F28F 1/32** (2013.01); **F28F 9/0219** (2013.01); **F28D 2021/0049** (2013.01); **F28F 2009/226** (2013.01); **F28F 2265/16** (2013.01)

Citation (search report)

- [X] EP 0205205 A1 19861217 - DOW CHEMICAL NEDERLAND [NL]
- [A] GB 2024401 A 19800109 - FUNKE WAERME APPARATE KG
- [A] US 2002036078 A1 20020328 - JANEZICH ROBERT J [US], et al
- [A] FR 1128665 A 19570109
- [A] US 4214443 A 19800729 - HERENIUS FREDERIK J [GB]

Cited by
US8627882B2; WO2008092677A1; WO2009046956A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1382927 A2 20040121; **EP 1382927 A3 20050914**; NL 1021111 C2 20040123

DOCDB simple family (application)
EP 03077306 A 20030718; NL 1021111 A 20020719