

Title (en)
Cooler arrangement

Title (de)
Kühleranordnung

Title (fr)
Agencement d'un radiateur

Publication
EP 1189006 B1 20060614 (DE)

Application
EP 01118936 A 20010804

Priority
DE 10045987 A 20000916

Abstract (en)
[origin: DE10041794A1] The cooling assembly is composed of a number of chilling units (2), where each pair have collection chambers with linking edges to cool various fluids. Flat tubes (8) are in at least one row along the collection chambers, across the axis (V) of a radial fan (10) within the assembly. It has a front (F) and rear (R) wall together with inflow and outflow channels (3z,3a) for the fluid flow through the flat tubes of at least one cooler. A connection is directly or indirectly at the vicinity of the end of the leading and/or final flat tube, with its opening into the collection chamber in a row with the flat tube openings, for the inflow/outflow channels.

IPC 8 full level
F28D 1/04 (2006.01); **F28F 9/02** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP US)
F28D 1/0426 (2013.01 - EP US); **F28F 9/02** (2013.01 - EP US); **F28F 9/262** (2013.01 - EP US)

Cited by
EP1890217A3

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1189006 A2 20020320; EP 1189006 A3 20031015; EP 1189006 B1 20060614; AT E330197 T1 20060715; DE 10041794 A1 20020307; DE 50110126 D1 20060727; US 2002033248 A1 20020321; US 6675879 B2 20040113

DOCDB simple family (application)
EP 01118936 A 20010804; AT 01118936 T 20010804; DE 10041794 A 20000825; DE 50110126 T 20010804; US 92938701 A 20010814