

Title (en)

Cooling device having a motor driven fan mounted to a heat exchanger

Title (de)

Kühlanlage mit einem am Wärmetauscher befestigtem Motorlüfter

Title (fr)

Dispositif de refroidissement comprenant un groupe moto-ventilateur fixe sur un radiateur

Publication

EP 0952353 B1 20031008 (FR)

Application

EP 99107730 A 19990419

Priority

FR 9804968 A 19980421

Abstract (en)

[origin: EP0952353A1] The system comprises a heat exchanger with a core (7) having parallel opposite faces (31, 35), and a motor (1) fixed to the first face. The motor shaft (5) has one end towards the heat exchanger core face and a fan (2) on the other end. The core has a hole (17) through it opposite the shaft, the inner end of the hole being blocked by a stopper (34) inserted from the core's inner face (35) either directly into the hole or into a lining tube inside it.

IPC 1-7

F04D 29/64; F04D 29/58; F28F 9/00

IPC 8 full level

F04D 29/58 (2006.01); **F04D 29/64** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)

F04D 29/582 (2013.01); **F04D 29/646** (2013.01); **F28F 9/002** (2013.01); **F01P 2070/50** (2013.01)

Cited by

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Designated contracting state (EPC)

DE

DOCDB simple family (publication)

EP 0952353 A1 19991027; **EP 0952353 B1 20031008**; DE 69911835 D1 20031113; DE 69911835 T2 20040909; FR 2777597 A1 19991022; FR 2777597 B1 20000630

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