

Title (en)

Device for cooling en electric motor for a turbo-fan.

Title (de)

Kühlvorrichtung für einen Elektromotor eines Turbolüfters.

Title (fr)

Dispositif de refroidissement d'un moteur électrique pour une soufflante.

Publication

EP 0651161 A1 19950503 (EN)

Application

EP 94850190 A 19941026

Priority

SE 9303599 A 19931102

Abstract (en)

This invention relates to a device for cooling an electric motor for a turbo-fan unit. The motor has a shaft (16) which extends through the motor (10) and which supports a turbo-fan impeller (20) which is placed outside a shell (11) belonging to the motor. The turbo-fan impeller rotates with a speed above 50.000 rpm thereby creating a primary air flow which via an outlet (35) escapes from the turbo-fan unit. The turbo-fan unit (20) comprises means by means of which a secondary air flow is created which at least partly cools the electric motor and which from one or several cooling air inlets (28,30) separated from the primary air flow <IMAGE>

IPC 1-7

F04D 25/08; **F04D 25/16**

IPC 8 full level

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CPC (source: EP)

F04D 25/06 (2013.01); **F04D 25/16** (2013.01); **F04D 29/5806** (2013.01)

Citation (search report)

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DE DK ES FR GB IT NL SE

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DOCDB simple family (application)

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