

Title (en)

ARRANGEMENT FOR COOLING AN ELECTRICAL MACHINE

Title (de)

ANORDNUNG ZUR KÜHLUNG EINER ELEKTRISCHEN MASCHINE

Title (fr)

SYSTEME DE REFROIDISSEMENT D'APPAREIL ELECTRIQUE

Publication

EP 2059996 A4 20120627 (EN)

Application

EP 07823087 A 20070907

Priority

- FI 2007000226 W 20070907
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Abstract (en)

[origin: WO2008028996A1] The object of the invention is a cooling arrangement for an electrical machine in which a main magnetic field affects the stator and the rotor. In the arrangement, an auxiliary rotor (16, 16') is fitted onto the same shaft (8) with the rotor (6) of the machine and arranged to rotate in relation to the stator (4) and drive shaft (8) of the electrical machine. The number of poles in the auxiliary rotor (16, 16') is substantially smaller than the number of poles in the electrical machine, and a subharmonic magnetic field induced on the stator (6) of the electrical machine is arranged to rotate the auxiliary rotor (16, 16') and a fan (20) arranged to it.

IPC 8 full level

H02K 9/04 (2006.01); **H02K 16/02** (2006.01)

CPC (source: EP FI)

H02K 9/04 (2013.01 - EP FI); **H02K 16/00** (2013.01 - EP); **H02K 16/02** (2013.01 - EP); **H02K 2213/09** (2013.01 - EP)

Citation (search report)

- [A] GB 948013 A 19640129 - SIEMENS AG
- [A] EP 1087501 A2 20010328 - NISSAN MOTOR [JP]
- [A] WO 9939426 A1 19990805 - SCHROEDL MANFRED [AT]
- [A] JP S55173276 U 19801212
- See references of WO 2008028996A1

Designated contracting state (EPC)

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