

Title (en)

WATER COOLED STATOR WINDING OF AN ELECTRIC MOTOR

Title (de)

WASSERGEKÜHLTE STATORWICKLUNG EINES ELEKTROMOTORS

Title (fr)

ENROULEMENT STATORIQUE REFROIDI PAR EAU POUR MOTEUR ELECTRIQUE

Publication

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Application

EP 00955543 A 20000815

Priority

- US 0022327 W 20000815
- US 14912999 P 19990816

Abstract (en)

[origin: WO0113496A1] A cooling device for cooling a stator (200) of the type having windings (1), electrically insulated from each other including a cooling member (14, 17, 101, 102), thermally coupled to an external surface of the windings. The cooling member has at least one passage extending through the member to receive a coolant from an external source. Because the passage for receiving the coolant is insulated from the high voltage stator conductors, water having ions (e.g., fresh water) can be used as the coolant for cooling the stator. Allowing the use of fresh water offers tremendous advantages in settings where deionized water is not readily available and eliminates the cost of a water deionization system.

IPC 1-7

H02K 9/19

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06 30 June 1997 (1997-06-30)
- See references of WO 0113496A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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