

Title (en)

ELECTRICAL MACHINE AND THE USE OF THE ELECTRICAL MACHINE

Title (de)

ELEKTRISCHE MASCHINE SOWIE VERWENDUNG DER ELEKTRISCHEN MASCHINE

Title (fr)

MACHINE ÉLECTRIQUE ET SON UTILISATION

Publication

**EP 2016663 A1 20090121 (DE)**

Application

**EP 07722339 A 20070502**

Priority

- DE 2007000782 W 20070502
- EP 06009309 A 20060505
- EP 07722339 A 20070502

Abstract (en)

[origin: EP1852956A1] The machine has an electrical conductor formed by pulled coils (10) that are wound and formed continuously in hollow profiles (5). A continuous cooling channel and a continuous electrical conductor are formed within the pulled coils. The continuous conductor is uniformly cooled by fluid flow in a stator (1) in an area of end windings such that refrigerant is supplied into the profiles. The refrigerant is operated with respect to flow temperature and flow rate for cooling such that the refrigerant is partially evaporated when the refrigerant partially flows through the profiles.

IPC 8 full level

**H02K 3/24** (2006.01)

CPC (source: EP US)

**H02K 3/22** (2013.01 - EP); **H02K 9/20** (2013.01 - EP US)

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