

Title (en)

ROTARY ELECTRIC MACHINE WITH OPTIMIZED COOLING

Title (de)

ELEKTRISCHE ROTATIONSMASCHINE MIT OPTIMIERTER KÜHLUNG

Title (fr)

MACHINE ÉLECTRIQUE TOURNANTE A REFROIDISSEMENT OPTIMISE

Publication

EP 3320603 A1 20180516 (FR)

Application

EP 16745797 A 20160707

Priority

- FR 1556544 A 20150710
- FR 2016051726 W 20160707

Abstract (en)

[origin: WO2017009548A1] The invention relates mainly to a rotary electric machine (10) comprising: a casing (16), a stator, a plurality of ducts extending between the said stator and the said casing (16) for the passage of a cooling liquid, characterized in that the said casing (16) comprises a plurality of openings (77) each opening via one of their ends to the outside of the said rotary electric machine (10) and via another of their ends onto the side of the said ducts.

IPC 8 full level

H02K 5/173 (2006.01); **H02K 5/20** (2006.01); **H02K 7/00** (2006.01); **H02K 7/06** (2006.01); **H02K 7/116** (2006.01); **H02K 9/197** (2006.01)

CPC (source: EP US)

H02K 5/1732 (2013.01 - EP); **H02K 5/20** (2013.01 - US); **H02K 5/203** (2021.01 - EP US); **H02K 7/003** (2013.01 - EP); **H02K 7/116** (2013.01 - EP); **H02K 2213/03** (2013.01 - EP); **H02K 2213/09** (2013.01 - EP)

Citation (search report)

See references of WO 2017009548A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3038795 A1 20170113; FR 3038795 B1 20180629; CN 107949978 A 20180420; CN 107949978 B 20210727; EP 3320603 A1 20180516; JP 2018520629 A 20180726; JP 6900361 B2 20210707; WO 2017009548 A1 20170119

DOCDB simple family (application)

FR 1556544 A 20150710; CN 201680051736 A 20160707; EP 16745797 A 20160707; FR 2016051726 W 20160707; JP 2018500668 A 20160707