

Title (en)
FLANGE FOR AN ELECTRICAL MACHINE

Title (de)
FLANSCH FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)
FLASQUE POUR MACHINE ÉLECTRIQUE

Publication
EP 3455924 A1 20190320 (FR)

Application
EP 17727642 A 20170509

Priority
• FR 1654310 A 20160513
• FR 2017051105 W 20170509

Abstract (en)
[origin: WO2017194872A1] The invention relates to a flange (1) for an electrical machine (100), said flange being configured to at least partially cover winding overhangs (10) that form part of the electrical machine (100), the flange (1) comprising a chamber (5) able to receive a cooling fluid, characterized in that the flange (1) comprises at least one first orifice and at least one second orifice allowing cooling fluid to enter the chamber (5) or allowing cooling fluid to leave the chamber (5), said chamber (5) having a profile that compliments that of at least one winding overhang (10). Said invention is applicable to motor vehicles.

IPC 8 full level
H02K 3/52 (2006.01); **H02K 1/20** (2006.01); **H02K 3/24** (2006.01); **H02K 5/20** (2006.01); **H02K 9/197** (2006.01)

CPC (source: EP US)
H02K 1/20 (2013.01 - EP US); **H02K 3/24** (2013.01 - EP US); **H02K 5/203** (2021.01 - EP US); **H02K 9/197** (2013.01 - EP US);
H02K 3/522 (2013.01 - EP US)

Citation (search report)
See references of WO 2017194872A1

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)
WO 2017194872 A1 20171116; CN 109314427 A 20190205; CN 109314427 B 20220222; EP 3455924 A1 20190320; FR 3051298 A1 20171117; FR 3051298 B1 20201113; JP 2019515642 A 20190606; JP 7015297 B2 20220202; US 11108291 B2 20210831; US 2019207457 A1 20190704

DOCDB simple family (application)
FR 2017051105 W 20170509; CN 201780029520 A 20170509; EP 17727642 A 20170509; FR 1654310 A 20160513; JP 2019511812 A 20170509; US 201716301320 A 20170509