

Title (en)

SYSTEM FOR COOLING THE STATIONARY WINDING OF AN INDUCTION MOTOR

Title (de)

SYSTEM ZUR KÜHLUNG DER STATIONÄREN WICKLUNG EINES INDUKTIONSMOTORS

Title (fr)

SYSTEME DE REFROIDISSEMENT DE LA BOBINE FIXE D'UN MOTEUR INDUCTIF

Publication

EP 3922040 A1 20211215 (FR)

Application

EP 20710586 A 20200206

Priority

- CH 1362019 A 20190206
- IB 2020050963 W 20200206

Abstract (en)

[origin: WO2020161669A1] The present invention relates to principles for cooling the stationary winding (4) of an induction motor (1), said winding (4) being positioned outside the movable armature (7). The cooling can be achieved by means of cooling fins (2a), openings (2b and 2c) allowing the ventilation of the winding (4) with or without a fan (12), a fluid circuit (13) outside the bowl (3), a fluid circuit (15) inside the bowl (3), a fluid circuit inside the winding (4), and/or the addition of heat pipes (18) inside the bowl (3). This motor as presented can be used, without limitation, inside loudspeakers or vibrators.

IPC 8 full level

H04R 1/00 (2006.01)

CPC (source: EP US)

H04R 9/022 (2013.01 - EP US); **H04R 9/025** (2013.01 - US); **H04R 9/06** (2013.01 - US); **H04R 1/028** (2013.01 - US); **H04R 9/025** (2013.01 - EP); **H04R 9/046** (2013.01 - EP)

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 2020161669 A1 20200813; BR 112021014602 A2 20211005; CA 3127120 A1 20200813; EP 3922040 A1 20211215; JP 2022519475 A 20220324; US 11930340 B2 20240312; US 2022141591 A1 20220505

DOCDB simple family (application)

IB 2020050963 W 20200206; BR 112021014602 A 20200206; CA 3127120 A 20200206; EP 20710586 A 20200206; JP 2021541732 A 20200206; US 202017428938 A 20200206