

Title (en)  
ELECTRIC MOTOR PROVIDED WITH A NOISE INSULATION COVER

Title (de)  
ELEKTROMOTOR MIT EINER GERÄUSCHDÄMMENDEN ABDECKUNG

Title (fr)  
MOTEUR ÉLECTRIQUE MUNI D'UN COUVERCLE D'ISOLATION PHONIQUE

Publication  
**EP 4115506 A1 20230111 (FR)**

Application  
**EP 21711614 A 20210217**

Priority  
• FR 2002190 A 20200304  
• FR 2021050281 W 20210217

Abstract (en)  
[origin: WO2021176157A1] The invention relates to an electric motor (1) comprising a rotor (11) mounted on a shaft (12), a stator (13) disposed around the rotor (11), a front bearing (14) and a rear bearing (15) that are connected together by fastening means (21), said front and rear bearings (14, 15) forming an internal cavity in which the rotor (11) and the stator (13) are accommodated, characterized in that the electric motor (1) also comprises a noise insulation cover (20) in the form of a cup entirely covering the rear bearing (15) and a part (142) of the front bearing (14) extending axially from an end face (141) of said front bearing (14), the noise insulation cover (20) being configured to damp the mechanical and magnetic noise generated by the motor.

IPC 8 full level  
**H02K 5/24** (2006.01); **H02K 5/20** (2006.01)

CPC (source: EP)  
**H02K 5/24** (2013.01); **H02K 5/20** (2013.01)

Citation (search report)  
See references of WO 2021176157A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2021176157 A1 20210910**; EP 4115506 A1 20230111; FR 3108001 A1 20210910; FR 3108001 B1 20221118

DOCDB simple family (application)  
**FR 2021050281 W 20210217**; EP 21711614 A 20210217; FR 2002190 A 20200304