

Title (en)
ELECTRIC MOTOR AND METHOD FOR PRODUCING SAME

Title (de)
ELEKTROMOTOR UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
MOTEUR ÉLECTRIQUE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 3785351 A1 20210303 (DE)

Application
EP 19721977 A 20190423

Priority
• DE 102018110176 A 20180427
• DE 2019100375 W 20190423

Abstract (en)
[origin: WO2019206380A1] The invention relates to an electric motor (1) comprising a cylindrical housing (10), a stator (2) which consists of multiple stacked metal sheets (3) and is mounted in the housing (10), and a rotor (4) which sits on a shaft (6) that is rotatably mounted in a respective bearing shield (7) provided at a first end (11) or a second end (12) of the housing (10). The housing (10) is die-cast, and the stator (2) protrudes seamlessly into a wall (9) of the housing (10) to a depth (T) which is less than the thickness (W) of the wall (9). The invention also relates to a method for producing such an electric motor (1).

IPC 8 full level
H02K 5/06 (2006.01); **H02K 5/02** (2006.01); **H02K 5/20** (2006.01)

CPC (source: EP US)
H02K 5/02 (2013.01 - EP); **H02K 5/06** (2013.01 - EP US); **H02K 5/15** (2013.01 - US); **H02K 5/203** (2021.01 - EP US); **H02K 15/02** (2013.01 - US); **H02K 15/14** (2013.01 - US); **Y10T 29/49009** (2015.01 - US)

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 2019206380 A1 20191031; CN 112020814 A 20201201; DE 102018110176 A1 20191031; DE 112019002187 A5 20210211; EP 3785351 A1 20210303; US 12021433 B2 20240625; US 2021143704 A1 20210513

DOCDB simple family (application)
DE 2019100375 W 20190423; CN 201980028356 A 20190423; DE 102018110176 A 20180427; DE 112019002187 T 20190423; EP 19721977 A 20190423; US 201917047221 A 20190423