

Title (en)
COMPACT GEAR MOTOR

Title (de)
KOMPAKTGETRIEBEMOTOR

Title (fr)
MOTORÉDUCTEUR COMPACT

Publication
EP 4136739 A1 20230222 (FR)

Application
EP 21725573 A 20210415

Priority
• FR 2003796 A 20200415
• FR 2021050667 W 20210415

Abstract (en)
[origin: WO2021209723A1] The invention relates to an electric motor having a cylindrical wound stator assembly forming a free interior space and a rotor assembly guided inside the interior space (6), the gear motor being inside a housing integral with the stator assembly and having a movable gearing assembly, the output of the movable gearing being integral with a movement output shaft, the input element of the movable gearing being driven by the rotor assembly extending inside the housing, the gear motor comprising a guide element of the output shaft, the output shaft being extended inside the motor up to a guide element located at least partly inside the stator assembly having the rotor assembly which is guided by a guide means positioned between the inner surface of the rotor assembly and a surface of the output shaft.

IPC 8 full level
F16H 1/32 (2006.01); **H02K 7/116** (2006.01)

CPC (source: EP KR US)
F16H 1/28 (2013.01 - KR); **F16H 1/46** (2013.01 - US); **F16H 49/001** (2013.01 - US); **F16H 49/005** (2013.01 - KR US);
F16H 57/021 (2013.01 - KR US); **F16H 57/023** (2013.01 - KR US); **H02K 7/116** (2013.01 - EP KR US); **H02K 11/30** (2016.01 - KR);
H02K 11/33 (2016.01 - US); **F16H 1/28** (2013.01 - EP); **F16H 1/46** (2013.01 - EP); **F16H 49/001** (2013.01 - EP);
F16H 2057/02034 (2013.01 - EP KR US); **H02K 11/33** (2016.01 - EP)

Citation (search report)
See references of WO 2021209723A1

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 2021209723 A1 20211021; CN 115461968 A 20221209; EP 4136739 A1 20230222; FR 3109481 A1 20211022; JP 2023521451 A 20230524;
KR 20230002651 A 20230105; US 2023198337 A1 20230622

DOCDB simple family (application)
FR 2021050667 W 20210415; CN 202180031017 A 20210415; EP 21725573 A 20210415; FR 2003796 A 20200415;
JP 2022562764 A 20210415; KR 20227039470 A 20210415; US 202117996167 A 20210415