

Title (en)

ELECTRIC MACHINE HAVING HELICAL TEETH FOR USE IN A MOTOR VEHICLE

Title (de)

ELEKTRISCHE MASCHINE MIT SCHRÄGVERZÄHNUNG ZUR VERWENDUNG IN EINEM KRAFTFAHRZEUG

Title (fr)

MACHINE ÉLECTRIQUE PRÉSENTANT DES DENTS HÉLICOÏDALES POUR APPLICATION DANS UN VÉHICULE AUTOMOBILE

Publication

EP 3221948 A2 20170927 (FR)

Application

EP 15804909 A 20151120

Priority

- FR 1461262 A 20141120
- FR 2015053152 W 20151120

Abstract (en)

[origin: WO2016079448A2] The invention relates to an electric machine (10) for use in a motor vehicle, in particular for an electric supercharger compressor, comprising a rotor (12) and a stator (14), the rotor (12) and the stator (14) having radial teeth (16; 18), the teeth (16; 18) of at least one of the rotor (12) and the stator (14) extending forming a helix along the rotor (12) or the stator (14). The invention likewise relates to an electric supercharger compressor for a motor vehicle, including a compressor impeller and such an electric machine (10), for rotating the compressor impeller.

IPC 8 full level

H02K 1/24 (2006.01); **H02K 5/24** (2006.01)

CPC (source: EP)

H02K 1/246 (2013.01); **H02K 5/24** (2013.01)

Citation (search report)

See references of WO 2016079448A2

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 2016079448 A2 20160526; WO 2016079448 A3 20160825; EP 3221948 A2 20170927; FR 3029026 A1 20160527; FR 3029026 B1 20180119

DOCDB simple family (application)

FR 2015053152 W 20151120; EP 15804909 A 20151120; FR 1461262 A 20141120