

Title (en)

WOUND STATOR FOR ROTATING ELECTRICAL MACHINE

Title (de)

GEWICKELTER STATOR FÜR ROTIERENDE ELEKTRISCHE MASCHINE

Title (fr)

STATOR BOBINÉ POUR MACHINE ÉLECTRIQUE TOURNANTE

Publication

**EP 3566289 A1 20191113 (FR)**

Application

**EP 18703045 A 20180108**

Priority

- FR 1750137 A 20170106
- FR 2018050039 W 20180108

Abstract (en)

[origin: WO2018130771A1] The present invention provides a stator for a rotating electrical machine, in particular for a motor vehicle, the stator (15) comprising: - a body (27) having notches (37) which open axially into front (38) and rear (39) axial end walls of the body (27) and which are radially open in an inner wall (40) of the body (27), - at least two windings (43), each forming a phase of the stator (15), each winding comprising undulating wire turns which comprise a series of axial strands (44) received in a series of associated notches (37) and connecting strands (45, 46) which connect the successive axial strands (44) and extend alternately beyond the front axial end wall (38) and beyond the rear axial end wall (39). One winding has a shorter wire length than the other winding.

IPC 8 full level

**H02K 3/12** (2006.01); **H02K 3/28** (2006.01); **H02K 15/04** (2006.01)

CPC (source: EP US)

**H02K 3/12** (2013.01 - EP); **H02K 3/28** (2013.01 - EP US); **H02K 15/0485** (2013.01 - EP US)

Citation (search report)

See references of WO 2018130771A1

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**FR 3061815 A1 20180713**; **FR 3061815 B1 20210101**; CN 110121829 A 20190813; CN 110121829 B 20210928; EP 3566289 A1 20191113; US 2020067363 A1 20200227; WO 2018130771 A1 20180719

DOCDB simple family (application)

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