

Title (en)

ROTARY ELECTRIC MACHINE COMPRISING A STATOR AND TWO ROTORS

Title (de)

ELEKTRISCHE ROTATIONS MASCHINE BESTEHEND AUS EINEM STATOR UND ZWEI ROTOREN

Title (fr)

MACHINE ELECTRIQUE TOURNANTE COMPORTANT UN STATOR ET DEUX ROTORS

Publication

EP 1599930 A2 20051130 (FR)

Application

EP 04717671 A 20040305

Priority

- FR 2004000530 W 20040305
- FR 0302776 A 20030306

Abstract (en)

[origin: FR2852162A1] The machine has a stator (10) with several teeth, where each tooth supports an individual coil. An external (30) and an internal (20) rotor are arranged at exterior and interior, respectively of the stator where the rotor (20) is integrated with the rotor (30). Two magnets of the rotors (30, 20) have same polarity sides arranged with respect to common adjacent polar unit, arranged between the magnets.

IPC 1-7

H02K 21/12

IPC 8 full level

H02K 1/27 (2006.01); **H02K 16/02** (2006.01); **H02K 1/18** (2006.01)

CPC (source: EP US)

H02K 1/278 (2013.01 - EP US); **H02K 1/2791** (2022.01 - EP US); **H02K 16/02** (2013.01 - EP US); **H02K 1/18** (2013.01 - EP US); **Y02T 10/64** (2013.01 - EP US)

Citation (search report)

See references of WO 2004082100A2

Citation (examination)

JP H11341757 A 19991210 - TOYOTA MOTOR CORP

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2852162 A1 20040910; **FR 2852162 B1 20050923**; CN 100559685 C 20091111; CN 1757151 A 20060405; EP 1599930 A2 20051130; JP 2006520178 A 20060831; US 2006175923 A1 20060810; US 7250702 B2 20070731; WO 2004082100 A2 20040923; WO 2004082100 A3 20041028

DOCDB simple family (application)

FR 0302776 A 20030306; CN 200480006118 A 20040305; EP 04717671 A 20040305; FR 2004000530 W 20040305; JP 2006505699 A 20040305; US 54684105 A 20051102