

Title (en)

PERMANENT MAGNET ELECTRIC MACHINE WITH MULTIPLE COAXIAL ROTORS

Title (de)

ELEKTRISCHE PERMANENTMAGNETMASCHINE MIT MEHREREN KOAXIALEN ROTOREN

Title (fr)

MACHINE ÉLECTRIQUE À AIMANTS PERMANENTS À MULTIPLES ROTORS COAXIAUX

Publication

EP 4162596 A1 20230412 (EN)

Application

EP 21755047 A 20210602

Priority

- IT 202000003040 U 20200603
- IB 2021054831 W 20210602

Abstract (en)

[origin: WO2021245568A1] An electric machine with permanent magnets comprises at least two rotors (2-5) mutually coaxial and each provided with two or more permanent magnetic poles associated with their side wall, at least one stator (10-12) provided with windings with respective electrical output contacts (13-15) and interposed between two of said rotors (2-5) to be powered with current and generate a rotating electromagnetic field adapted to put into rotation the corresponding rotors (2-5), a transmission shaft (16) mechanically connected to said rotors (2-5) to be driven into rotation upon the rotation of said rotors (2-5) promoted by said at least one stator (10-12).

IPC 8 full level

H02K 16/00 (2006.01); **H02K 21/12** (2006.01); **H02K 29/06** (2006.01); **H02K 29/12** (2006.01)

CPC (source: CN EP)

A61K 31/717 (2013.01 - CN); **A61K 31/722** (2013.01 - CN); **A61K 31/734** (2013.01 - CN); **A61K 33/06** (2013.01 - CN);
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C-Set (source: CN)

1. **A61K 33/06** + **A61K 2300/00**
2. **A61K 31/717** + **A61K 2300/00**
3. **A61K 31/734** + **A61K 2300/00**
4. **A61K 31/722** + **A61K 2300/00**

Citation (search report)

See references of WO 2021245568A1

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)

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