

Title (en)
UNIPOLAR TRANSVERSE MAGNETIC FLUX MACHINE

Title (de)
UNIPOLAR-TRANSVERSALFLUSSMASCHINE

Title (fr)
MACHINE A FLUX TRANSVERSAL UNIPOLAIRE

Publication
EP 1421668 A1 20040526 (DE)

Application
EP 02754468 A 20020801

Priority
• DE 0202825 W 20020801
• DE 10140303 A 20010816

Abstract (en)
[origin: DE10140303A1] The machine has a machine housing (10) containing a rotor (12) with at least one rotor module (15), having 2 coaxial ferromagnetic rotor rings (16,17) and a permanent magnetic element (18) for generation of radial flux and a stator (11) with at least one stator module (14) with an annular coil (23) coaxial to the rotor shaft (13) and a U-shaped stator yoke (24), with its yoke arms facing respective rotor rings. The latter have outer teeth and fit around 2 permanent magnet rings (26,27) magnetized radially in opposition to one another, with a common flux conductor (29) provided by a ferromagnetic section of the rotor shaft.

IPC 1-7
H02K 21/20

IPC 8 full level
E05B 47/00 (2006.01); **E21B 17/02** (2006.01); **E21B 17/04** (2006.01); **F21V 21/096** (2006.01); **H02K 21/20** (2006.01)

CPC (source: EP US)
E21B 17/028 (2013.01 - EP US); **E21B 17/04** (2013.01 - EP US); **F21V 21/096** (2013.01 - EP US); **H02K 21/20** (2013.01 - EP US); **H02K 2201/12** (2013.01 - EP US)

Citation (search report)
See references of WO 03019756A1

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