

Title (en)

ELECTRIC MACHINE WITH SIMPLIFIED ROTATING ANGLE SENSOR ADJUSTMENT

Title (de)

ELEKTRISCHE MASCHINE MIT VEREINFACHTER DREHWINKELGEBERAUSRICHTUNG

Title (fr)

MACHINE ÉLECTRIQUE À ORIENTATION DE CAPTEUR D'ANGLE SIMPLIFIÉE

Publication

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Application

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Abstract (en)

[origin: WO2009000828A1] The invention relates to an electric machine (1) comprising a stand (2), a rotational rotor (7) and an air gap (4) that is between the stand (2) and the rotor (7). A rotating field that comprises a plurality of pole pairs (P) can be generated in the air gap (4) by the rotor (7) by rotating said rotor (7), and a rotating angle sensor (8) for determining the rotational angle (a) of the rotor (7). The rotating angle sensor (8) comprises a rotatable feed shaft (9) that can be rotationally connected to the rotor (7). The aim of the invention is to simplify the adjustment of the rotating angle sensor (8) when a rotating angle sensor is being mounted. As a result, the feed shaft (9) can only be connected to the rotor (7) in the rotational direction of the rotor (7) in a certain number of different positions of the rotor (7) in relation to the feed shaft (9), said number being limited and dependent on the number of pole pairs (P).

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