

Title (en)

MEASURING COIL UNIT AND ELECTRIC MACHINE COMPRISING A MEASURING COIL UNIT OF THIS TYPE AND METHOD FOR DETERMINING OPERATING PARAMETERS OF AN ELECTRIC MACHINE

Title (de)

MESSSPULENEINHEIT UND ELEKTRISCHE MASCHINE MIT EINER DERARTIGEN MESSSPULENEINHEIT SOWIE VERFAHREN ZUM BESTIMMEN VON BETRIEBSPARAMETERN EINER ELEKTRISCHEN MASCHINE

Title (fr)

ENSEMBLE DE BOBINES DE MESURE ET MACHINE ÉLECTRIQUE POURVUE D'UN TEL ENSEMBLE DE BOBINES DE MESURE ET PROCÉDÉ DE DÉTERMINATION DE PARAMÈTRES DE FONCTIONNEMENT D'UNE MACHINE ÉLECTRIQUE

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Application

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Abstract (en)

[origin: WO2016184814A1] The invention relates to an electric machine, in particular an electric motor, comprising a stator (10) and a rotor (20), which are separated from each other by an air gap, wherein a measuring coil unit (30) comprising a number of measuring coils (35, 35a-35e) which are adjacent to each other is arranged in the air gap. The electric machine is characterised in that the measuring coils (35, 35a-35e) are arranged one behind the other in the axial direction in the air gap. The invention further relates to a measuring coil unit (30) which can be inserted in an air gap of an electric machine of this type, and a method for determining operating parameters of an electric machine which has a measuring coil unit (30) of this type.

IPC 8 full level

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