

Title (en)

DEVICE AND METHOD FOR DETERMINING THE ROTATIONAL POSITION OF A ROTOR IN AN ELECTRIC MACHINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERMITTLUNG DER DREHLAGE DES ROTORS EINER ELEKTRISCHEN MASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR DETERMINER LA POSITION DE ROTATION DU ROTOR D'UNE MACHINE ELECTRIQUE

Publication

**EP 1961108 A1 20080827 (DE)**

Application

**EP 06829472 A 20061209**

Priority

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- DE 102006046637 A 20060929

Abstract (en)

[origin: DE102006046637A1] The device has a voltage measuring device (6) and a difference providing device (8) for evaluating a measuring signal that is controlled by changing inductance of a pole coil of phase cables (1-3) of an electrical machine due to current flow by the phase traces for production of status information. The device (8) determines voltage difference values, where a comparison and classification device (9) determines rotation angle interval that is defined for a rotation condition of a rotor of the machine.

IPC 8 full level

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