

Title (en)

METHOD AND DEVICE FOR CONTROLLING A RELUCTANCE ELECTRIC MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINES ELEKTRISCHEN RELUKTANZMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE PILOTAGE D'UNE MACHINE ELECTRIQUE A RELUCTANCE

Publication

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Application

EP 12706645 A 20120130

Priority

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- FR 2012050187 W 20120130

Abstract (en)

[origin: WO2012107665A2] In a method of controlling a reluctance polyphase electric machine (36), in particular an automobile motor, the currents injected into each coil of the stator of the machine (36) are deduced by a transformation of a pair (Id, Iq) of excitation currents (Id) and of armature current (Iq) defined in a reference frame (d, q) rotating with the rotor of the machine, such that: - the excitation current (Id) is composed of a fundamental sinusoidal signal, to which are added successively other odd harmonics of increasing order when the torque setpoint of the machine increases, - the armature current (Iq) is a signal proportional to the estimated or measured electromotive force of the machine.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012107665A2

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