

Title (en)

METHOD AND DEVICE FOR DETECTING BLOCKING OR SLUGGISHNESS OF A DC MOTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DETEKTION EINER BLOCKIERUNG ODER SCHWERGÄNGIGKEIT EINES GLEICHSTROMMOTORS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA DÉTECTION D'UN BLOCAGE OU D'UN POINT DUR D'UN MOTEUR À COURANT CONTINU

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Application

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Abstract (en)

[origin: WO2011113636A1] The invention relates to a method for detecting blocking or sluggishness (M1, M3) of a DC motor (2). The method comprises the following steps: applying a voltage pulse ($U_v, t = 0s$) to the DC motor (2); monitoring a motor current (IMotor) flowing through the DC motor (2); detecting a maximum value of the motor current (IMotor) following the application of the voltage pulse; checking whether a change in the motor current (IMotor) after reaching the maximum value exceeds a specific amount; signalling the blocking or the sluggishness (M1, M3) of the DC motor (2) if the change in the motor current (IMotor) after reaching the maximum value exceeds the specific amount.

IPC 8 full level

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Citation (search report)

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