

Title (en)

Method of detecting and controlling the torque of a three-phase motor and device to carry out the method

Title (de)

Verfahren zum Erfassen und Steuern des Drehmoments eines Drehstrommotors und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour détecter et commander un couple d'un moteur triphasé et dispositif pour mettre en oeuvre le procédé

Publication

**EP 1403161 A1 20040331 (EN)**

Application

**EP 03021611 A 20030925**

Priority

IT VI20020205 A 20020926

Abstract (en)

The method involves effecting two detections of torque values delivered by an AC motor (1) at an actuator (3) of the motor. One value is delivered by the motor via processing unit using voltage signals of phase and current signals of two phases as input signals. The torque value is compared with preset torque thresholds. Interruption of electric power to the motor is commanded when the torque value exceed the threshold limits. An independent claim is also included for a torque detection device for a three-phase motor using a control device comprising an incremental bi-directional encoder.

IPC 1-7

**B61B 12/10**

IPC 8 full level

**B61B 12/10** (2006.01)

CPC (source: EP)

**B61B 12/10** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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