

Title (en)

CONTROL METHOD FOR AN ACTUATING DEVICE, RELATED ACTUATING DEVICE AND SWITCHING DEVICE

Title (de)

STEUERUNGSVERFAHREN EINER BETÄTIGUNGSVORRICHTUNG UND ENTSPRECHENDE BETÄTIGUNGSVORRICHTUNG UND SCHALTVORRICHTUNG

Title (fr)

PROCÉDÉ DE COMMANDE D'UN DISPOSITIF D'ACTIONNEMENT, DISPOSITIF D'ACTIONNEMENT ET APPAREIL DE COMMUTATION ASSOCIÉS

Publication

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Application

EP 17188936 A 20170901

Priority

FR 1658195 A 20160902

Abstract (en)

[origin: US2018068817A1] A method is provided for controlling an actuator comprising an electromagnet and a control device, the electromagnet including a coil and a moving part that moves between a first position and a second position, the control device including a power supply member configured to supply the coil with an electric current having a voltage and an amperage and a measurement member for measuring a value of a quantity from among the voltage and the amperage. The method includes acquiring samples of the measured value, of regulating, according to a proportional-integral-derivative algorithm, the electric current to around a setpoint value that is equal to a maintenance value capable of maintaining the moving part in the second position, of comparing each sample to a predetermined threshold and of detecting a movement of the moving part if a single sample is above or equal to the threshold.

IPC 8 full level

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