

Title (en)

Method and device for diagnosing an actuator and actuator comprising such a device

Title (de)

Diagnoseverfahren und -vorrichtung eines Aktuators, und mit einer solchen Vorrichtung ausgestattetes Aktuator

Title (fr)

Procédé et dispositif de diagnostic d'un actionneur, et actionneur comportant un tel dispositif

Publication

EP 2503575 A1 20120926 (FR)

Application

EP 12354013 A 20120305

Priority

FR 1100863 A 20110322

Abstract (en)

The method involves controlling a power supply of actuator (2) by a diagnostic device (3) and a power supply of the coil by a control device. An electric characteristic of an electric signal supplying the actuator is monitored at level of the diagnostic device. Diagnostic of the actuator is deduced using the result of the monitoring step. Temporal analysis of variations of the electric characteristic of the signal is performed. Control units (32, 36) of power supply of the actuator are activated. A control unit of power supply of the coil is activated. Independent claims are also included for the following: (1) a diagnostic device of the power supply of a coil of an actuator (2) a computer program comprising computer program code unit to perform a method for diagnosing an actuator when the program is executed on a computer.

Abstract (fr)

Le procédé de diagnostic d'un actionneur (2 ; 2') comprenant une bobine (211, 212) et un dispositif (22 ; 22') de commande d'alimentation de la bobine, comprenant les étapes suivantes : - Commande d'une alimentation de l'actionneur grâce à un dispositif (3) de diagnostic, - Commande d'une alimentation de la bobine grâce au dispositif de commande, - Surveillance, au niveau du dispositif de diagnostic, d'une caractéristique électrique d'un signal électrique, notamment du signal électrique alimentant l'actionneur, et - Déduction d'un diagnostic de l'actionneur en utilisant un résultat de l'étape de surveillance. Le dispositif et l'actionneur mettent en oeuvre le procédé.

IPC 8 full level

H01H 11/00 (2006.01)

CPC (source: EP US)

H01H 11/0062 (2013.01 - EP US); **H01H 47/002** (2013.01 - EP US); **H01H 47/06** (2013.01 - EP US); **H01H 2300/052** (2013.01 - EP US)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

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DOCDB simple family (application)

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