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 B1 20191023 (FR)**

Application

**EP 12354013 A 20120305**

Priority

FR 1100863 A 20110322

Abstract (en)

[origin: EP2503575A1] 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 deducted 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.

IPC 8 full level

**H01H 47/00** (2006.01); **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 (examination)

US 6307376 B1 20011023 - ALEXANDER RANDY [US], et al

Cited by

FR3026847A1; EP3029477A1; BE1026349B1; US11495425B2; WO2019234211A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2503575 A1 20120926**; **EP 2503575 B1 20191023**; CN 102692582 A 20120926; CN 102692582 B 20170524; ES 2756775 T3 20200427; FR 2973155 A1 20120928; FR 2973155 B1 20170210; RU 2012110819 A 20130927; RU 2594648 C2 20160820; US 2012242358 A1 20120927; US 9196434 B2 20151124

DOCDB simple family (application)

**EP 12354013 A 20120305**; CN 201210077548 A 20120322; ES 12354013 T 20120305; FR 1100863 A 20110322; RU 2012110819 A 20120321; US 201213414322 A 20120307