

Title (en)

METHOD FOR DETERMINING THE POSITION OF A POSITIONING ELEMENT OF AN ELECTRICALLY-OPERATED ACTUATOR, CORRESPONDING CIRCUIT ARRANGEMENT AND DEVICE

Title (de)

VERFAHREN ZUM ERMITTELN DER POSITION EINES STELLELEMENTS EINES ELEKTRISCH ANTREIBBAREN AKTUATORS, ZUGEHÖRIGE SCHALTUNGSANORDNUNG UND VORRICHTUNG

Title (fr)

PROCEDE PERMETTANT DE DETERMINER LA POSITION D'UN ELEMENT DE REGLAGE D'UN ACTIONNEUR A COMMANDE ELECTRIQUE, ET CIRCUIT ET DISPOSITIF CORRESPONDANTS

Publication

EP 1525596 A1 20050427 (DE)

Application

EP 03766167 A 20030715

Priority

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- EP 0307630 W 20030715

Abstract (en)

[origin: US2004016461A1] System determines the position of a control element of an electrically driven actuator. The actuator may be switched on by a controlled switch when a lower threshold value is reached and may be switched off when an upper threshold value is reached. An on-period and an off-period are determined as a function of the lower threshold value, the upper threshold value, and the electric switching behavior of the actuator depending on the position of the control element. From the on-period and the off-period, the position of the control element are determined from a comparison of the quotient of the on-period or off-period and the sum of the on-period and off-period, and form a comparison of the sum of the on-period and the off-period with corresponding stored reference data. The system includes accompanying circuitry for application of the process, and an accompanying device, in particular a hydraulic valve.

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H01F 7/18

IPC 8 full level

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CPC (source: EP US)

G05B 19/19 (2013.01 - EP US); **F02D 41/20** (2013.01 - EP US); **F02D 2041/2024** (2013.01 - EP US); **F02D 2041/2058** (2013.01 - EP US); **G05B 2219/41224** (2013.01 - EP US); **H01F 7/1844** (2013.01 - EP US); **Y10T 137/8242** (2015.04 - EP US)

Citation (search report)

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DOCDB simple family (publication)

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