

Title (en)

CONTROL SYSTEM BASED ON MULTIPLE FEEDBACK SIGNALS OF SWITCH DEVICE

Title (de)

STEUERSYSTEM BASIEREND AUF MEHREREN RÜCKKOPPLUNGSSIGNALEN EINER SCHALTVORRICHTUNG

Title (fr)

SYSTÈME DE COMMANDE BASÉ SUR PLUSIEURS SIGNAUX DE RÉACTION D'UN DISPOSITIF DE COMMUTATION

Publication

EP 3809433 A1 20210421 (EN)

Application

EP 20175531 A 20200519

Priority

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Abstract (en)

The present disclosure provides a control system based on multiple feedback signals of a switch device 1, comprising: a micro switch 2, a signal processing device 3 coupled to an external system 4 and the micro switch 2, and a motor control device 5 coupled to the signal processing device 3; the micro switch 2 is configured to sense a position of a movable contact of the switch device 1 to generate the multiple feedback signals; the signal processing device 3 is configured to receive a control signal of the external system 4 and the multiple feedback signals, and generate a motor control instruction of the switch device 1 according to a feedback signal finally received among the multiple feedback signals and the control signal; and the motor control device 5 is configured to control a motor of the switch device 1 according to the motor control instruction, and the motor controls closing and opening of a main contact of the switch device 1. In which, the motor control instruction of the switch device 1 is generated according to the feedback signal finally received among the multiple feedback signals and the control signal, so as to improve the complete effectiveness of all of the feedback signals of the switch device 1 and increase the stability of the system.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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- [YA] EP 3444833 A1 20190220 - ABB SCHWEIZ AG [CH]
- [A] WO 2009027484 A1 20090305 - SIEMENS AG [DE], et al
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