Title (en)

ELECTROMAGNETIC OPERATION DEVICE AND ELECTROMAGNETIC OPERATION-TYPE SWITCHING APPARATUS

Title (de)

ELEKTROMAGNETISCH BETRIEBENE VORRICHTUNG UND ELEKTROMAGNETISCH BETRIEBENE SCHALTVORRICHTUNG

Title (fr)

DISPOSITIF DE FONCTIONNEMENT ÉLECTROMAGNÉTIQUE ET APPAREIL DE COMMUTATION DE TYPE À FONCTIONNEMENT ÉLECTROMAGNÉTIQUE

Publication

EP 3370244 B1 20190710 (EN)

Application

EP 18154510 A 20180131

Priority

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Abstract (en)

[origin: EP3370244A1] Excitation current of an electromagnet coil is changed in response to a change in ambient temperature and, even if a sensor that measures the ambient temperature fails, turn-on operation can be normally realized (completed). An electromagnetic operation device of the present invention includes an electromagnet coil for forming an electromagnet; a capacitor accumulating energy for exciting the electromagnet coil; and a control circuit for causing the electromagnet coil and the capacitor to be electrically connected according to a turn-on command or a turn-off command to a switching device; wherein the control circuit includes a limiting resistor at the time of turn-on operation, and a short-circuiting mechanism that is provided in parallel with the limiting resistor at the time of turn-on operation and short-circuits the limiting resistor at the time of turn-on operation by using a normally-closed contact point that is normally "closed" and is "opened" when a signal is inputted.

IPC 8 full level

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CPC (source: CN EP)

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