

Title (en)

Electromagnetic actuating device being actuated by high voltage and held electrification by low voltage

Title (de)

Elektromagnetische Auslösungsvorrichtung, die von einer hohen Spannung ausgelöst wird und von niedriger Spannung gehaltene Elektrifizierung

Title (fr)

Dispositif d'actionnement électromagnétique actionné par une haute tension et électrification retenue par une faible tension

Publication

EP 2264721 A1 20101222 (EN)

Application

EP 09251587 A 20090618

Priority

- EP 09251587 A 20090618
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- JP 2009158855 A 20090703
- TW 98120350 A 20090618
- TW 98120351 A 20090618
- JP 2009157866 A 20090702
- CN 200910134338 A 20090414

Abstract (en)

The present invention is disclosed by that the power source device with variable output voltage is operatively controlled by the switching device to provide higher voltage power to the driving coil installed in the electromagnetic actuating device so as to produce larger electromagnetic effective force, wherein the power source device with variable output voltage after actuation is operatively controlled by the switching device to be switched to provide lower voltage power thus allowing smaller current to pass through the driving coil thereby holding electrification for excitation, while required operating characteristics of the electromagnetic actuating device can still be ensured.

IPC 8 full level

H01F 7/18 (2006.01); **H01H 47/04** (2006.01)

CPC (source: EP)

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Citation (search report)

- [X] DE 1074754 B
- [X] DE 19723931 A1 19981210 - SIEMENS AG [DE]
- [X] DE 4332995 C1 19941020 - SIEMENS AG [DE]
- [X] US 5422780 A 19950606 - LIGNAR KENNETH A [US]
- [X] EP 2071602 A1 20090617 - YANG TAI HER [TW]

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

EP 2264721 A1 20101222; CN 101866737 A 20101020; JP 2011015542 A 20110120; JP 2011015573 A 20110120; TW 201100680 A 20110101; TW 201101350 A 20110101; TW 201101361 A 20110101

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EP 09251587 A 20090618; CN 200910134338 A 20090414; JP 2009157866 A 20090702; JP 2009158855 A 20090703; TW 98120350 A 20090618; TW 98120351 A 20090618; TW 98120354 A 20090618