

Title (en)

Rotary operating mechanism for switchgear

Title (de)

Drehbetätigungsmechanismus für Schaltvorrichtung

Title (fr)

Dispositif de commande rotatif pour appareillage de commutation

Publication

EP 1124244 A2 20010816 (EN)

Application

EP 01102773 A 20010208

Priority

- JP 2000132222 A 20000501
- JP 2000033892 A 20000210

Abstract (en)

A rotary mechanism for operating switchgear has a fixed core, a rotary core rotatable within a rotation range limited by end positions corresponding to switchgear open and closed positions, a spring unit for accumulating resilience when the rotary core is rotated to any one of the end positions, a permanent magnet for generating attraction greater than the resilience of the spring unit, to hold the rotary core at any one of the end positions, and an electromagnetic coil for forming, when the rotary core is at one of the end positions, a magnetic path to weaken the attraction of the permanent magnet lower than the resilience of the spring unit so that the rotary core may be rotated to the other end position where the permanent magnet and electromagnetic coil form magnetic paths oriented in the same direction. This rotary operating mechanism has a wide application range, a bistable characteristics, a permanent magnet attraction switching function, and a long switching stroke. <IMAGE>

IPC 1-7

H01H 51/22; **H01H 33/66**

IPC 8 full level

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CPC (source: EP)

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Cited by

RU2762663C1; AU2007264396B2; US7525643B2; WO2008000022A1; WO2004057637A1

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DE FR

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EP 1124244 A2 20010816; **EP 1124244 A3 20011219**; **EP 1124244 B1 20081119**; CN 1258789 C 20060607; CN 1312568 A 20010912; DE 60136580 D1 20090102; JP 2001297912 A 20011026; JP 4223657 B2 20090212

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