

Title (en)

Fast circuit breaker for medium and high voltage

Title (de)

Schneller Leistungsschalter für Hoch-oder Mittelspannung

Title (fr)

Disjoncteur rapide pour moyenne et haute tension

Publication

EP 1544879 B1 20070124 (DE)

Application

EP 03405906 A 20031218

Priority

EP 03405906 A 20031218

Abstract (en)

[origin: EP1544879A1] A rotating switch contact piece (RSCP) (2c) rotates in a rotational drive (3,6-9) by mechanical torsion spring force applied for opening and closing contacts in a common mechanical torsion spring mechanism (3). Mechanical rotational energy (RE) in the RSCP is recovered on opening/closing contacts. RE loss in the RSCP is recharged during opening/closing contacts by a torsion tension device (9). Independent claims are also included for the following: (A) A current switch for carrying out the method of the present invention; (B) and for a high-/medium-voltage electrical switching unit.

IPC 8 full level

H01H 3/30 (2006.01)

CPC (source: EP)

H01H 1/2041 (2013.01); **H01H 3/3042** (2013.01); **H01H 2003/3084** (2013.01)

Cited by

KR101522266B1; EP1887594A3; KR101522267B1; US9431184B2; EP1887594A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1544879 A1 20050622; EP 1544879 B1 20070124; AT E352851 T1 20070215; DE 50306400 D1 20070315

DOCDB simple family (application)

EP 03405906 A 20031218; AT 03405906 T 20031218; DE 50306400 T 20031218