Title (en)
  Drive mechanism for medium voltage fuse switches.

Title (de)
  Ansteuerungsmechanismus für Mittelspannungslasttrenner

Title (fr)
  Mécanisme de commande pour fusibles-interrupteurs de moyenne tension

Publication
  EP 2249361 A1 20101110 (EN)

Application
  EP 09159345 A 20090504

Priority
  EP 09159345 A 20090504

Abstract (en)
  A drive mechanism 1 for a Medium Voltage fuse switch comprising: a base plate 10 and a front plate 11 which defines an internal space housing an operating shaft 2 and a power shaft 3, coaxially mounted along a first longitudinal axis, the power shaft 3 being operatively connectable to a kinematic chain of a Medium Voltage fuse, the operating shaft 2 having a head 20 connectable to an operating handle for manual actuation of said operating shaft 2; a spring assembly 4 which comprises a first 41 and a second 42 spiral springs having a first end operatively coupled to said operating shaft 2, said spiral springs being loaded by rotation of said operating shaft 2 and actuating said power shaft 3 when released; latching means 5 for latching said power shaft 3 comprising a first 51 and a second 52 latching arm positioned on said power shaft 3; first 61 and second 62 release means for unlatching said power shaft 3 and allowing rotation thereof, the first release means 61 allowing a rotation of said power shaft 3 in an opposite direction with respect to said second release means 62.

IPC 8 full level
  H01H 3/30 (2006.01)

CPC (source: EP)
  H01H 3/3042 (2013.01)

Citation (search report)
  • [XA] US 4683357 A 19870728 - OPFER JOHN C [US]
  • [A] US 4578551 A 19860325 - LIN CHESTER H [US]

Cited by
  CN109309353A; CN109065416A; US9373456B2; US9472359B2; WO2015162534A1

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
  EP 2249361 A1 20101110; **EP 2249361 B1 20120711**; CN 101882512 A 20101110; CN 101882512 B 20140625; CN 201556539 U 20100818; ES 2389590 T3 20121029; PL 2249361 T3 20121231; RU 2010117356 A 20111110; RU 2536167 C2 20141220

DOCDB simple family (application)
  EP 09159345 A 20090504; CN 200910206348 A 20091015; CN 200920178756 U 20091015; ES 09159345 T 20090504; PL 09159345 T 20090504; RU 2010117356 A 20100430