

Title (en)

DRIVE DEVICES FOR INTERRUPTER UNITS IN POWER SUPPLY SWITCHING DEVICES

Title (de)

ANTRIEBSEINRICHTUNGEN FÜR UNTERBRECHEREINHEITEN VON SCHALTGERÄTEN ZUR ENERGIEVERSORGUNG UND -VERTEILUNG

Title (fr)

DISPOSITIFS D'ENTRAÎNEMENT DESTINÉS À DES UNITÉS DE SECTIONNEMENT D'APPAREILS DE CONNEXION D'ALIMENTATION ET DE DISTRIBUTION D'ÉNERGIE

Publication

EP 1068625 A1 20010117 (DE)

Application

EP 99924675 A 19990319

Priority

- DE 9900889 W 19990319
- DE 19815538 A 19980331

Abstract (en)

[origin: DE19815538A1] The invention relates to drive devices for interrupter units in power supply and distribution switching units, especially for vacuum circuit breakers in medium voltage switching devices. Said drive devices comprise lifting devices (HA) controlled by a magnetic coil drive for actuating the movable contact members of the switching devices by means of coupling bars. Each switching device is fitted with at least one pole member and a drive member. Each magnetic coil drive has a movable armature and an on coil and an off coil. The magnetic coil drives of the interrupter units are replaced by linear motor drives (LA) whose integrated lifting devices (HA) directly bring about gearless actuation of the movable contact parts of the switching devices. The movements relevant to switching can be influenced by a control unit optimizing the switching operation. Said drive devices are used in interrupter units for power supply and distribution switching devices.

IPC 1-7

H01H 33/36

IPC 8 full level

H01H 33/36 (2006.01)

CPC (source: EP US)

H01H 33/36 (2013.01 - EP US); **H01H 2003/268** (2013.01 - EP US)

Citation (search report)

See references of WO 9950869A1

Cited by

CN106601539A

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

DE 19815538 A1 19991007; CN 1201355 C 20050511; CN 1300441 A 20010620; DE 59902191 D1 20020905; EP 1068625 A1 20010117; EP 1068625 B1 20020731; ES 2181441 T3 20030216; HK 1038277 A1 20020308; US 6849971 B1 20050201; WO 9950869 A1 19991007

DOCDB simple family (application)

DE 19815538 A 19980331; CN 99805962 A 19990319; DE 59902191 T 19990319; DE 9900889 W 19990319; EP 99924675 A 19990319; ES 99924675 T 19990319; HK 01108143 A 20011120; US 64762400 A 20001205