

Title (en)

Electrodynamic actuator, in particular for high voltage circuit breaker

Title (de)

Elektrodynamischer Antrieb, insbesondere für Hochspannungsschaltgeräte

Title (fr)

Entraînement électrodynamique, en particulier pour appareil de coupure haute tension

Publication

EP 0844637 A3 20001122 (DE)

Application

EP 97250350 A 19971118

Priority

DE 19649979 A 19961122

Abstract (en)

[origin: DE19649979C1] An electrodynamic drive including an armature (4) actuated by means of two coils (2,3) supplied alternately from a voltage source (1), the armature (4) in turn actuating a contact of a switching device. In the course of a switching event through the armature a first auxiliary contact arrangement (6,7,9,10) on one side separates its driving coil (3,2) from the voltage source (1) and on the other side, a second auxiliary contact arrangement (6,7,9,10) is actuated and prepares a coil (2,3) for activating a subsequent switching event. The auxiliary contact arrangement actuated by the armature (4) comprises sliding contacts (6,7,9,10) which are closed by the armature and with it form a current path.

IPC 1-7

H01H 51/12; **H01H 33/38**; **H01H 9/00**

IPC 8 full level

H01H 9/00 (2006.01); **H01H 33/38** (2006.01)

CPC (source: EP)

H01H 9/0066 (2013.01); **H01H 33/38** (2013.01)

Citation (search report)

- [A] US 2838630 A 19580610 - MAX RIGERT
- [A] WO 9609636 A1 19960328 - ASEA BROWN BOVERI [SE], et al
- [A] EP 0354803 A1 19900214 - GEC ALSTHOM LTD [GB]
- [A] GB 1196418 A 19700624 - ENGLISH ELECTRIC CO LTD [GB]
- [A] US 1645628 A 19271018 - SMITH WARREN S
- [A] US 3900822 A 19750819 - HARDWICK DAVID R, et al

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CN106158498A

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19649979 C1 19980115; DE 59712405 D1 20051006; EP 0844637 A2 19980527; EP 0844637 A3 20001122; EP 0844637 B1 20050831

DOCDB simple family (application)

DE 19649979 A 19961122; DE 59712405 T 19971118; EP 97250350 A 19971118