

Title (en)

Circuit breaker with high electrodynamic strength and breaking capacity

Title (de)

Leistungsschalter mit hoher elektrodynamischer Festigkeit und Ausschaltleistung

Title (fr)

Disjoncteur à tenue électrodynamique et pouvoir de coupure élevés

Publication

EP 0977233 B1 20060503 (FR)

Application

EP 99410088 A 19990722

Priority

FR 9809938 A 19980729

Abstract (en)

[origin: EP0977233A1] An electromagnetic compensating device and limiting device hold the contact position of fingers (41) to other contact, when the current through a pair of contact (28,30) is less than a limiting threshold, otherwise drive the fingers to retracted position. An actuator drives the ultrafast movement of an opening lock (60) to unlock position, when the resultant force applied to kinematic connecting devices exceeded the preset limiting threshold, otherwise switches the opening lock. An operating mechanism (10) moves to lock and unlock position to release either the loaded or unloaded position of an opening spring (52).

IPC 8 full level

H01H 73/02 (2006.01); **H01H 77/10** (2006.01); **H01H 83/02** (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP US)

H01H 77/101 (2013.01 - EP US); **H01H 9/446** (2013.01 - EP US); **H01H 2071/507** (2013.01 - EP US)

Cited by

DE10164517A1; DE10164517B4; EP2254136A1; FR2945661A1; CN101894692A; US8264232B2

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0977233 A1 20000202; **EP 0977233 B1 20060503**; CN 1168114 C 20040922; CN 1253371 A 20000517; DE 69931109 D1 20060608; DE 69931109 T2 20061012; ES 2262299 T3 20061116; FR 2781921 A1 20000204; FR 2781921 B1 20000915; JP 2000106075 A 20000411; JP 4278787 B2 20090617; US 6018284 A 20000125

DOCDB simple family (application)

EP 99410088 A 19990722; CN 99111495 A 19990729; DE 69931109 T 19990722; ES 99410088 T 19990722; FR 9809938 A 19980729; JP 21586299 A 19990729; US 35376699 A 19990715