

Title (en)

Multipole current limiting circuit breaker with electrodynamic repulsion

Title (de)

Mehrpoliger Strombegrenzungsschalter mit elektrodynamischer Abstossung

Title (fr)

Disjoncteur limiteur multipolaire à répulsion électrodynamique

Publication

EP 0619593 B1 19970416 (FR)

Application

EP 94420094 A 19940322

Priority

FR 9304298 A 19930407

Abstract (en)

[origin: EP0619593A1] The spring (90) includes a feeler element (94) interacting by sliding over a bearing surface 80a of the moving contact (22) so as to alter the point of application (103) of the pressure force P in the second active repulsion position, entailing a reduction in the return torque before action by the mechanism (58). The moving contact (22) is fork-shaped, being articulated on an eccentric spindle (84) parallel to the axis of rotation of the bar (70). The spiral spring (90) is mounted floating in the hollow (92) of the bar (70), and comprises two helical windings (90a), (90b) of metal wire. <IMAGE>

IPC 1-7

H01H 77/10

IPC 8 full level

H01H 73/02 (2006.01); **H01H 73/38** (2006.01); **H01H 77/10** (2006.01); **H01H 1/22** (2006.01)

CPC (source: EP US)

H01H 1/2066 (2013.01 - EP US); **H01H 77/102** (2013.01 - EP US); **H01H 1/225** (2013.01 - EP US); **H01H 1/226** (2013.01 - EP US); **H01H 2001/223** (2013.01 - EP US)

Cited by

ITMI20090011A1; US6989501B2; US9099257B2; WO02052597A1; WO2010079106A1; WO2023057087A1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0619593 A1 19941012; **EP 0619593 B1 19970416**; DE 69402597 D1 19970522; DE 69402597 T2 19971002; ES 2102171 T3 19970716; FR 2703824 A1 19941014; FR 2703824 B1 19950512; JP 3509923 B2 20040322; JP H06325678 A 19941125; US 5469121 A 19951121

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