

Title (en)

Low tension circuit-breaker for high currents with multiple contacts.

Title (de)

Niederspannungs-Hochstromschalter mit Mehrfachkontakten.

Title (fr)

Disjoncteur basse tension à contacts multiples et à fortes intensités.

Publication

EP 0410902 B1 19950215 (FR)

Application

EP 90420333 A 19900712

Priority

- CA 2053516 A 19911016
- FR 8910175 A 19890726

Abstract (en)

[origin: EP0410902A1] To improve the electrical endurance of a low-voltage circuit-breaker for high currents, having multiple contacts of equal lengths, and a fixed arc-guidance horn (20) equipped with an intermediate flange (60) extending over a short distance in the direction of movement of the frontal extensions (58) of the contact fingers, there is formed, in the gap between the flange (60) and the fixed main contact (24), a fixed arc contact (64) intended to cooperate with the moving arc contact (62) of at least one contact finger (34). At the start of the opening travel, the closing of the arc contacts (62, 64) takes place before separation of the main contacts (24, 56). The fixed arc contact (64) is arranged in the immediate vicinity of the flange (60). <IMAGE>

IPC 1-7

H01H 9/38; **H01H 9/46**

IPC 8 full level

H01H 9/38 (2006.01); **H01H 9/46** (2006.01); **H01H 1/22** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP US)

H01H 9/383 (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US); **H01H 1/226** (2013.01 - EP US); **H01H 73/18** (2013.01 - EP US); **H01H 2009/305** (2013.01 - EP US)

Cited by

US6689979B1; EP0727805A3; DE19932010C1; EP0955658A3; CN103617931A; EP1244122A1; DE10114745A1; AU742526B2; EP0955653A3; DE19957259A1; DE19957259C2; GB2260027A; EP0555161A1; FR2687250A1; US5296660A; US6969816B2; EP3133626A1; WO0103153A1; WO0208248A1; EP3236482A1; US10192700B2; EP2254136A1

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