

Title (en)

BREAKER DEVICE FOR LOW VOLTAGE APPLICATIONS

Title (de)

SCHALTGERÄT FÜR NIEDERSpannungsANWENDUNGEN

Title (fr)

DISPOSITIF DE COMMUTATION DESTINE A DES APPLICATIONS BASSE TENSION

Publication

EP 1771870 B1 20121226 (DE)

Application

EP 05763086 A 20050726

Priority

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- DE 102004036279 A 20040727

Abstract (en)

[origin: WO2006010760A1] In breaker devices an early short-circuit recognition is required and also a tripping of the contacts. According to the invention, the recognition of a short-circuit occurs so early that with consideration of the response time of the measuring probes and the unlocking mechanism (5, 6-8) by a suitable analysis algorithm the release of the moving contact (4) occurs before or at least at the time that the current-breaking forces correspond to the contact force. The contact force is hence compensated for and a rapid opening of the contacts (2, 4) can be achieved.

IPC 8 full level

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