

Title (en)  
High-speed circuit breaker.

Title (de)  
Schnellschalter.

Title (fr)  
Disjoncteur rapide.

Publication  
**EP 0450104 B1 19950809 (DE)**

Application  
**EP 90105938 A 19900328**

Priority  
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Abstract (en)  
[origin: EP0450104A1] The high-speed circuit breaker for low-voltage installations is provided with an eddy-current trip device for moving a contact element in an extinguishing chamber. According to the invention, the contact element (2) is provided in its movement direction (4) with contact regions which are alternately electrically conductive and non-conductive. The extinguishing chamber (3) contains contact pins (12, 13), whose ends are connected in a positively locking manner to the surface of the contact element (2). There is a narrow gap (20) between the surface of the contact element (2) and the inner wall of the extinguishing chamber (3). Using this switch, short-circuit currents can be extinguished when the current is rising in less than 0.5 ms. <IMAGE>

IPC 1-7  
**H01H 9/32**; **H01H 3/22**

IPC 8 full level  
**H01H 3/22** (2006.01); **H01H 9/32** (2006.01); **H01H 9/30** (2006.01); **H01H 9/54** (2006.01)

CPC (source: EP)  
**H01H 1/365** (2013.01); **H01H 3/222** (2013.01); **H01H 9/32** (2013.01); **H01H 9/302** (2013.01); **H01H 9/548** (2013.01)

Cited by  
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