

Title (en)  
AUXILIARY DEVICE OF CIRCUIT BREAKER

Title (de)  
HILFSVORRICHTUNG FÜR EINEN SCHUTZSCHALTER

Title (fr)  
DISPOSITIF AUXILIAIRE DE DISJONCTEUR

Publication  
**EP 2509091 B1 20160413 (EN)**

Application  
**EP 10834376 A 20101130**

Priority  
• JP 2009276805 A 20091204  
• JP 2010006973 W 20101130

Abstract (en)  
[origin: EP2509091A1] In an auxiliary device of a circuit breaker which has, as options, an external operating handle device and an undervoltage tripping device, the undervoltage tripping device is divided into two modules, which are an electromagnet type tripping unit (7) and an early closing contact unit (8); and the tripping unit (7) is internally set in a case (1e) of a circuit breaker (1). The early closing contact unit (8) is externally provided on a base (3) of the external operating handle device (2) such that a limit switch (8a) of the early closing contact is linked to a sliding base (6) of the external operating handle device. The early closing contact is closed ahead midway during ON operation of a rotary handle (4) of the external operating handle device (2) and before a main circuit contact of the circuit breaker (1) closes, thereby enabling optional specifications for an undervoltage tripping device with an early closing contact function to be accommodated.

IPC 8 full level  
**H01H 73/02** (2006.01); **H01H 71/46** (2006.01); **H01H 71/56** (2006.01); **H01H 83/12** (2006.01)

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