

Title (en)  
ELECTRIC CIRCUIT BREAKER

Title (de)  
ELEKTRISCHER SCHUTZSCHALTER

Title (fr)  
COUPE-CIRCUIT ÉLECTRIQUE

Publication  
**EP 3991191 A1 20220504 (FR)**

Application  
**EP 20733663 A 20200624**

Priority  
• FR 1906892 A 20190625  
• EP 2020067682 W 20200624

Abstract (en)  
[origin: WO2020260382A1] An electric circuit breaker (2) comprising a switch (22, 24), an arc extinguishing chamber (32) and a fuse (40) configured to be electrically connected between first and second terminals after the switch has tripped, further comprises a connection device comprising a gate (50, 52) configured to be broken after the switch has tripped only when at least one of the temperature, the pressure inside the arc extinguishing chamber (32) or the intensity of an electrical arc present in the arc extinguishing chamber (32) passes a predefined threshold, the connection device being configured to connect an electrode (42) of the fuse to one of the terminals (12) of the electrical conductor (10) only once the gate (50, 52) is broken.

IPC 8 full level  
**H01H 9/10** (2006.01); **H01H 39/00** (2006.01); **H01H 85/02** (2006.01)

CPC (source: EP US)  
**H01H 9/106** (2013.01 - EP US); **H01H 39/006** (2013.01 - EP US); **H01H 85/0241** (2013.01 - EP US); **H01H 2039/008** (2013.01 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**FR 3098006 A1 20210101**; **FR 3098006 B1 20210709**; CN 114144857 A 20220304; EP 3991191 A1 20220504; EP 3991191 B1 20230621; JP 2022538172 A 20220831; US 11996252 B2 20240528; US 2022246377 A1 20220804; WO 2020260382 A1 20201230

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