

Title (en)
FUSE DEVICE WITH MICRO-POWERED SWITCH

Title (de)
SICHERUNGSVORRICHTUNG MIT MIKRO-ANGETRIEBENEM SCHALTER

Title (fr)
DISPOSITIF FUSIBLE AVEC COMMUTATEUR MICRO-ALIMENTÉ

Publication
EP 3637451 A4 20210224 (EN)

Application
EP 17912378 A 20170607

Priority
CN 2017087485 W 20170607

Abstract (en)
[origin: EP3637451A1] Disclosed is a fuse device with a micro-powered switch comprising a micro-powered switch (2), a fuse device interlocking mechanism (5), a fuse wire striker pin assembly (6) and a connecting rod (7), wherein the fuse wire striker pin assembly (6) comprises a main shaft (601), striker pin pieces (602) and trigger pieces (603); the striker pin pieces (602) and the trigger pieces (603) are radially fixed on the main shaft (601), and can axially move around the main shaft (601); and when one or more fuse wires are not installed, or when one or more fuse wires have fused, the fuse device interlocking mechanism (5) cooperates with the fuse wire striker pin assembly (6) and drives the connecting rod (7) to trigger the micro-powered switch (2), whereby the switch device cannot close. The fuse device with a micro-powered switch has a simpler structure, effectively reducing production costs, and the modularised assembly saves on assembly time.

IPC 8 full level
H01H 9/20 (2006.01); **H01H 9/10** (2006.01); **H01H 85/30** (2006.01)

CPC (source: EP)
H01H 9/104 (2013.01); **H01H 85/306** (2013.01)

Citation (search report)
• [X] CN 102364651 B 20131106 - EATON ELECTRIC POWER EQUIPMENT CO LTD
• [Y] CN 202839370 U 20130327 - XIAMEN HENGYUANXIN ELECTRIC POWER EQUIPMENT CO LTD
• [Y] FR 1545810 A 19681115 - APP ELECTR HAZEMEYER
• [A] FR 2244253 A2 19750411 - UNELEC [FR]
• See references of WO 2018223321A1

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

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