

Title (en)
THERMAL AND MAGNETIC CIRCUIT BREAKER TRIPPING MECHANISM

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Application
EP 84401968 A 19841002

Priority
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Abstract (en)
[origin: EP0143022A1] 1. A thermal and magnetic tripping mechanism cooperating with the actuating mechanism of a multipole circuit breaker and comprising per pole a first electromagnetic tripping mechanism (38) and a second thermal tripping mechanism with a bimetal strip (36), said first tripping mechanism comprising a magnetic circuit with an air gap through which the induction flux generated by an operating coil flows, and a movable armature (50) capable of being attracted against a polar surface of the magnetic circuit when the current intensity flowing in the coil (42) exceeds a preset threshold causing tripping of the mechanism, said coil comprising one or more turns according to the tripping characteristics, a flexible connecting conductor (62) being securely united directly by one of its ends to a movable contact arm (23) of the pole, to provide the electrical connection with the coil (42), characterized in that the other end of the flexible conductor (62) is connected by soldering to the bimetal strip (36), and that the intermediate part of the same flexible conductor constitutes the winding of the coil (42), the assembly being arranged to ensure fixed mounting of the electromagnetic tripping mechanism (38) fitted between the contact arm (23) and the thermal tripping mechanism with bimetal strip (36).

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CPC (source: EP)
H01H 71/164 (2013.01); **H01H 71/2472** (2013.01); **H01H 71/40** (2013.01)

Cited by
EP2065913A1; CN103681146A; CN106206199A; CN104054154A; CN114023614A; FR2924531A1; FR3023057A1; CN107004545A; EP0427641A1; FR2654254A1; CN104900456A; US9640356B2; WO2016001524A1; WO2015106709A1; EP0821383B1

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