

Title (en)

RELEASE SYSTEM OF AN AUTOMATIC CIRCUIT BREAKER FOR THE INTERRUPTION OF A CIRCUIT

Publication

**EP 0037490 B1 19850529 (DE)**

Application

**EP 81102059 A 19810319**

Priority

DE 3013016 A 19800403

Abstract (en)

[origin: EP0037490A1] 1. Tripping system of an automatic circuit breaker for interrupting a current circuit, having at least one thermo-mechanical transducer (21; 31; 41; 51; 61) of an alloy with form memory, a short-circuit trip (12; 22) and a switching mechanism comprising a release gear which, in the event of an overcurrent, is tripped by the thermo-mechanical transducer (21; 31; 41; 51; 61) or short-circuit trip (12; 22) and interrupts the current circuit, characterised in that the thermo-mechanical transducer (21; 31; 41; 51; 61) is in thermal contact with a heat source, which is located in the current path of the automatic circuit breaker, for example the coil or the yoke of a magnetic short-circuit trip (12; 22), the arm of a dynamic tripping loop (17) or the section of a current-conducting path (20).

IPC 1-7

**H01H 37/46**; **H01H 71/40**

IPC 8 full level

**H01H 73/36** (2006.01); **H01H 37/32** (2006.01); **H01H 37/46** (2006.01); **H01H 71/14** (2006.01); **H01H 71/40** (2006.01)

CPC (source: EP)

**H01H 71/145** (2013.01); **H01H 71/40** (2013.01); **H01H 2071/407** (2013.01)

Cited by

EP0978859A3; DE102017207294A1; EP0849761A3; US5629662A; CN110100125A; CN107004546A; EP0821383A3; DE4224046A1; US2012169451A1; US8830026B2; DE4424125C1; EP0691665A1; EP0353816A1; AP1679A; DE102012111618A1; DE102012111618A8; EP0147278A3; FR2557353A1; CN114175204A; JP2021505280A; US2021145991A1; US11925714B2; US12046892B2; WO9624151A1; WO2014083191A1; WO2018114572A1; WO2020254213A1; US11047497B2; US11635154B2

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DOCDB simple family (application)

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