

Title (en)

Protection circuit breaker having a thermo-magnetic sub-assembly

Title (de)

Schutzschalter mit einer thermomagnetischer Unterbaugruppe

Title (fr)

Interrupteur de protection incorporant un sous-ensemble magnétothermique de déclenchement

Publication

EP 0501844 B1 19960228 (FR)

Application

EP 92400239 A 19920130

Priority

FR 9102394 A 19910228

Abstract (en)

[origin: EP0501844A1] This protection circuit breaker of the double cutout multipole isolator type includes, for each pole, a contact bridge (17) with middle plane (P) as well as a thermo-magnetic trip sub-assembly (30). This sub-assembly includes a base (72) of rectangular shape extending longitudinally in a direction perpendicular to the middle plane (P) and carrying a thermal trip with bimetallic strip (28) and an electromagnetic trip with striker lever (29) comprising a coil (91) wound around a tube (90) of the coil former and a magnetic circuit housed in the tube and consisting of a fixed core (92) and a plunger core (93) which are coaxially aligned. The bimetallic strip (55) and the magnetic circuit (92, 93) are parallel and the striker lever (41) is coupled up to the plunger core (93) and is mounted pivotably on the former of the coil while extending laterally to the bimetallic strip. <IMAGE>

IPC 1-7

H01H 71/40; **H01H 71/02**

IPC 8 full level

H01H 71/02 (2006.01); **H01H 71/40** (2006.01); **H01H 73/50** (2006.01); **H01H 73/04** (2006.01); **H01H 89/08** (2006.01)

CPC (source: EP KR)

H01H 37/52 (2013.01 - KR); **H01H 71/02** (2013.01 - KR); **H01H 71/0228** (2013.01 - EP); **H01H 71/40** (2013.01 - EP); **H01H 73/045** (2013.01 - EP); **H01H 89/08** (2013.01 - EP)

Cited by

FR2794282A1; FR2817390A1; EP2204834A3; FR2816105A1; ES2147158A1; CN101546657A; EP2544207A1; US8049584B2; EP1251541A1; CN102315052A; DE19935662A1; EP1073083A3; FR2958447A1; DE10002773A1; DE10002773B4; DE202015100926U1; US8035044B2; WO0133597A3; WO2008061630A1; EP2301597A1; EP2036582A1; EP2402973A1; US8476998B2; US8593240B2; US8754729B2; DE102010005345A1; US8138862B2; DE102010005345B4

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