

Title (en)

STATIC TRIPPING DEVICE FOR A CIRCUIT BREAKER WITH ELECTRONIC CONTACT WEAR INDICATION

Publication

EP 0258090 B1 19920325 (FR)

Application

EP 87401714 A 19870720

Priority

FR 8611612 A 19860808

Abstract (en)

[origin: US4780786A] A digital solid-state trip unit of an electrical circuit breaker is equipped with an electrical contact wear indicator enabling the degree of wear of these contacts to be known. Each time the circuit breaker performs a break, the microprocessor determines a contact wear value, in terms of the maximum value of the current broken. The correspondence between the wear value and the current broken is stored in a ROM memory and the successive wear values are added in a NOVRAM memory whose contents are representative of the degree of contact wear. These contents can be displayed to indicate to the user that the condition of the contacts has to be checked.

IPC 1-7

H02H 7/22

IPC 8 full level

H02H 3/093 (2006.01); **H01H 1/00** (2006.01); **H02H 3/08** (2006.01); **H02H 7/22** (2006.01)

CPC (source: EP US)

H01H 1/0015 (2013.01 - EP US)

Cited by

EP0414657A3; DE19727986A1; DE19727986C2; DE19923362A1; DE19923362B4; DE19923362C5; US10147572B2; US10101394B2; WO2015043941A1

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

EP 0258090 A1 19880302; **EP 0258090 B1 19920325**; AT E74238 T1 19920415; CA 1287392 C 19910806; CN 1008957 B 19900725; CN 87105402 A 19880217; DE 3777726 D1 19920430; ES 2030749 T3 19921116; FR 2602610 A1 19880212; FR 2602610 B1 19940520; IN 169848 B 19911228; JP 2735549 B2 19980402; JP S63121422 A 19880525; SG 134292 G 19930312; US 4780786 A 19881025; YU 148287 A 19891231; YU 46905 B 19940624; ZA 875742 B 19880330

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EP 87401714 A 19870720; AT 87401714 T 19870720; CA 543373 A 19870730; CN 87105402 A 19870807; DE 3777726 T 19870720; ES 87401714 T 19870720; FR 8611612 A 19860808; IN 531MA1987 A 19870724; JP 19654287 A 19870807; SG 134292 A 19921230; US 7742087 A 19870724; YU 148287 A 19870806; ZA 875742 A 19870804