

Title (en)
BI-METAL DEVICE CONNECTED IN SERIES TO A HEATER

Publication
EP 0080393 B1 19850403 (FR)

Application
EP 82402022 A 19821103

Priority
FR 8120921 A 19811109

Abstract (en)
[origin: EP0080393A1] 1. Detection device for excess currents (3), particularly for protection apparatus, comprising, in a case (1), on the one hand, a bimetallic strip (6) having a first fixedly embedded end (7) and a second free end (9) adapted for directly or indirectly operating a safety switch (11) which is secured in the case, and, on the other hand, an electric insulated heater (17) constituted by a thin conducting blade (18) located, with good thermal contact, along a first longitudinal face (23) of the bimetallic strip (6) by means of transverse insulated tightening means one end (20) of which is connected to a point of the bimetallic strip (6) situated between the ends in such a way that the current to be monitored flows across the heater (17) and the bimetallic strip (6), a thin insulating sheet (22) being disposed between the heater (17) and said first face (23), wherein said tightening means are constituted by a plurality (24, 25) of opposite deformable side clips (28, 28') cut in opposite regions (24, 25) of the conducting blade (18), which pass round the two edges (30, 31) of the bimetallic strip and whose ends (26, 27) bear, by means of bent portions (32, 33) of the insulating sheet (22), on a second longitudinal face (29) opposite the first face.

IPC 1-7
H01H 71/16

IPC 8 full level
H01H 71/16 (2006.01)

CPC (source: EP)
H01H 71/164 (2013.01)

Cited by
DE19610106A1; DE4406377A1; EP0514931A3

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EP 0080393 A1 19830601; EP 0080393 B1 19850403; DE 3262898 D1 19850509; FR 2516301 A1 19830513; FR 2516301 B1 19841130

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