

Title (en)
Overload switching device for electrical apparatus

Title (de)
Überlastschalteinrichtung für elektrische Geräte

Title (fr)
Dispositif de commutation de surcharge pour appareils électriques

Publication
EP 0801408 B1 20041229 (DE)

Application
EP 97103619 A 19970305

Priority
DE 19610185 A 19960315

Abstract (en)
[origin: EP0801408A2] The thermal overload device has two switching stages each with fixed contacts [10,11] and a bridging contact [14] held by a spring element [15]. In line with the switching stages is a bimetallic element [12] that is heated by a unit [18] coupled into the electrical circuit. At a threshold temperature the bimetallic element inverts and displaces a plunger [16] to open the contacts. The device has a push button cap [26] inside of which is an indicator bulb [19] that has a electorial connections to one pair of contacts [10.11] that connect to the load. The switch may also be manually operated by pressing the push button.

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H01H 37/70; H01H 37/54

IPC 8 full level
H01H 37/54 (2006.01); **H01H 37/70** (2006.01); **H01H 1/50** (2006.01); **H01H 9/16** (2006.01)

CPC (source: EP)
H01H 37/5409 (2013.01); **H01H 1/504** (2013.01); **H01H 9/161** (2013.01)

Cited by
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AT BE CH DE FR GB IT LI NL

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EP 0801408 A2 19971015; **EP 0801408 A3 20000726**; **EP 0801408 B1 20041229**; AT E286301 T1 20050115; DE 19610185 C1 19970410; DE 59712140 D1 20050203

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