

Title (en)
Load-related electrical fuse

Title (de)
Belastungsabhängige elektrische Präventivsicherung

Title (fr)
Fusible électrique dépendant de la charge

Publication
EP 0643401 B1 20020529 (DE)

Application
EP 94202512 A 19940902

Priority
DE 4330534 A 19930909

Abstract (en)
[origin: EP0643401A2] Load-dependent electrical safety fuse having an electronic ceramic (12) in a housing (11) from which connecting lines (14) are passed, for determining at least a first type of load of a device to be monitored, use being made of a ceramic, in brief a TDR ceramic (12), the electrically insulating state of which enters a semiconducting state as a function of time as a first type of load and of a second type of load. As a consequence, when the TDR ceramic (12) is supplied with DC voltage U via connecting lines (14), a current increase forms the trigger criterion which is met in the event of predeterminable conditions and determines a desired operating time tau . <IMAGE>

IPC 1-7
H01C 7/13; **H01C 7/10**

IPC 8 full level
H01H 85/00 (2006.01); **H01C 7/04** (2006.01); **H01C 7/10** (2006.01); **H01C 7/13** (2006.01)

CPC (source: EP US)
H01C 7/045 (2013.01 - EP US); **H01C 7/13** (2013.01 - EP US)

Designated contracting state (EPC)
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