

Title (en)
Fuse assembly

Title (de)
Schmelzsicherungsanordnung

Title (fr)
Ensemble de coupe-circuit à fusible

Publication
EP 1345247 B2 20101013 (EN)

Application
EP 03251452 A 20030311

Priority
GB 0205762 A 20020312

Abstract (en)
[origin: EP1345247A1] A fuse assembly is provided, comprising a main fuse element; an indicator fuse element, arranged electrically in parallel with the main fuse element; and an indicator assembly. The indicator assembly comprises an indicator movable between a first position and a second position, a biasing means biasing the indicator to the second position, and the indicator being retained in the first position by the indicator fuse element against the action of the biasing means. The biasing means may be a helical spring or an arrangement of opposing leaf spring elements. Melting of the indicator fuse element releases the indicator for movement from the first position to the second position, the biasing element acting to provide a biasing force against the indicator fuse element substantially along the line of the retaining force exerted by the indicator fuse element. The general application of leaf spring elements to provide the biasing force for fuse assembly indicator assemblies is also disclosed. <IMAGE>

IPC 8 full level
H01H 85/30 (2006.01)

CPC (source: EP)
H01H 85/303 (2013.01)

Citation (opposition)
Opponent :

- US 3601739 A 19710824 - BLEWITT DONALD D
- DE 1034751 B 19580724 - VOIGT & HAEFFNER AG
- EP 0917723 B1 20000322 - SIEMENS AG [DE]
- DE 29807928 U1 19980924 - LINDNER GMBH [DE]
- FR 1465397 A 19670113 - COMP GENERALE ELECTRICITE
- CH 317661 A 19561130 - RUDOLF BOGENSCHUETZ GMBH [DE]
- DE 10005145 A1 20010719 - SICHERUNGEN BAU GMBH [DE]
- DE 19831376 A1 20000120 - SCHNEIDER GMBH ANNABERG M [DE]
- DE 19644901 A1 19980430 - MUELLER JEAN OHG ELEKTROTECH [DE]
- DE 902879 C 19540128 - VOIGT & HAEFFNER AG
- US 3678430 A 19720718 - GAIA ALDINO J
- DE 1792662 A1 19710603 - GEN ELECTRIC
- GB 580462 A 19460909 - ENGLISH ELECTRIC CO LTD, et al
- US 2794095 A 19570528 - KOZACKA FREDERICK J
- DE 19723540 A1 19981217 - LINDNER GMBH [DE]
- WO 9940599 A1 19990812 - SICHERUNGEN BAU GMBH [DE], et al

Cited by
CZ299300B6; EP1560245A1; RU2649661C1; RU2685246C1; EA035099B1; WO2011114176A1; WO2007141104A1; WO20020027703A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1345247 A1 20030917; EP 1345247 B1 20070221; EP 1345247 B2 20101013; AT E354862 T1 20070315; CN 1314065 C 20070502; CN 1448976 A 20031015; DE 60311905 D1 20070405; DE 60311905 T2 20071108; ES 2282572 T3 20071016; ES 2282572 T5 20110314; GB 0205762 D0 20020424; SI 1345247 T1 20070831; SI 1345247 T2 20110228

DOCDB simple family (application)
EP 03251452 A 20030311; AT 03251452 T 20030311; CN 03110532 A 20030312; DE 60311905 T 20030311; ES 03251452 T 20030311; GB 0205762 A 20020312; SI 200330802 T 20030311