

Title (en)
THERMAL OVERLOAD RELAY PROVIDED WITH A SPRING LEAF MECHANISM

Title (de)
THERMISCHES RELAIS MIT BLATTFEDER VORRICHTUNG

Title (fr)
RELAIS THERMIQUE DOTE D'UN MECANISME A LAME-RESSORT

Publication
EP 1127363 B1 20020605 (FR)

Application
EP 99954049 A 19991103

Priority
• FR 9902684 W 19991103
• FR 9813974 A 19981105

Abstract (en)
[origin: US6507266B1] The invention concerns an electromechanical protective relay comprising deformable bimetal switches in the event of overload in power lines. A triggering mechanism acts on a flexible blistering segment (20) which can pivot by means of a support (30) on a fixed rest (17) and whereof the stem (21) has an extension (27) formed along the length of the segment and folded back in U- or V-shape to press elastically against a bearing surface (36) of the box so as to cause the segment to exert pressure on the pivot.

IPC 1-7
H01H 5/18; **H01H 83/22**

IPC 8 full level
H01H 5/18 (2006.01); **H01H 83/22** (2006.01)

CPC (source: EP KR US)
H01H 5/18 (2013.01 - EP US); **H01H 71/16** (2013.01 - KR); **H01H 83/223** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6507266 B1 20030114; AT E218747 T1 20020615; AU 1051000 A 20000529; AU 755469 B2 20021212; BR 9915057 A 20010807; BR 9915057 B1 20150224; CN 1192405 C 20050309; CN 1325536 A 20011205; DE 69901727 D1 20020711; DE 69901727 T2 20021031; EP 1127363 A1 20010829; EP 1127363 B1 20020605; ES 2177333 T3 20021201; FR 2785717 A1 20000512; FR 2785717 B1 20001208; KR 100646677 B1 20061117; KR 20010089401 A 20011006; RU 2210829 C2 20030820; WO 0028560 A1 20000518; ZA 200103571 B 20020503

DOCDB simple family (application)
US 80800001 A 20010504; AT 99954049 T 19991103; AU 1051000 A 19991103; BR 9915057 A 19991103; CN 99812914 A 19991103; DE 69901727 T 19991103; EP 99954049 A 19991103; ES 99954049 T 19991103; FR 9813974 A 19981105; FR 9902684 W 19991103; KR 20017005630 A 20010504; RU 2001115089 A 19991103; ZA 200103571 A 20010503