

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 A1 20010829 (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