

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0232728 B1 19900808 (DE)

Application
EP 87100330 A 19870113

Priority
DE 3601113 A 19860116

Abstract (en)
[origin: US4728917A] A relay includes a permanent magnet for an armature restoring force having a highly negative temperature coefficient of remanence, where a portion of the permanent magnetic force is compensated by a compensation spring. The response voltage is rendered temperature independent by a heating means connected in parallel to the excitation winding to heat the permanent magnet in synchronization with the winding and, thus, guarantee a compensation of the response voltage with respect to the coil heating.

IPC 1-7
H01H 51/04

IPC 8 full level
H01H 50/42 (2006.01); **H01H 50/44** (2006.01); **H01H 51/04** (2006.01); **H01H 51/22** (2006.01)

CPC (source: EP US)
H01H 51/04 (2013.01 - EP US); **H01H 51/2236** (2013.01 - EP US)

Cited by
EP1615242A3

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0232728 A1 19870819; EP 0232728 B1 19900808; AT E55508 T1 19900815; DE 3764102 D1 19900913; ES 2017939 B3 19910316; JP S62170122 A 19870727; US 4728917 A 19880301

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EP 87100330 A 19870113; AT 87100330 T 19870113; DE 3764102 T 19870113; ES 87100330 T 19870113; JP 521287 A 19870114; US 104987 A 19870107