

Title (en)
Electromagnetic relay with rockable armature

Title (de)
Elektromagnetisches Klappankerrelais

Title (fr)
Relais électromagnétique à armature pivotante

Publication
EP 0777250 A2 19970604 (DE)

Application
EP 96118333 A 19961115

Priority
DE 19544624 A 19951130

Abstract (en)
[origin: DE19544624C1] The relay has a contact spring (2) attached to the armature (1) with a bounce damper for reducing contact bounce. The bounce damper is a vibration element (3) formed in one piece on the contact spring. The vibration element extends vibrationally from the contact spring end (10) in the vicinity of the contact (4) to the armature, which it contacts or at least covers with the end section (9) not connected to the contact spring. The vibration element is formed by a section (8) cut into the contact spring.

Abstract (de)
Beschrieben wird ein elektromagnetisches Klappankerrelais mit einer Kontaktfeder, die auf dem Anker angeordnet und mit diesem fest verbunden ist. Die Schaltkontaktfeder weist einen Prelldämpfer in Form eines einstückig an die Kontaktfeder angeformten Schwingelementes auf, welcher das Prellen der Kontakte und den daraus resultierenden Kontaktverschleiß stark vermindert. <IMAGE>

IPC 1-7
H01H 50/30; **H01H 50/28**

IPC 8 full level
H01H 50/28 (2006.01); **H01H 50/30** (2006.01)

CPC (source: EP US)
H01H 50/305 (2013.01 - EP US)

Citation (applicant)
• EP 0281384 B1 19940608 - TAKAMISAWA ELECTRIC CO [JP]
• DE 2602362 A1 19760819 - SIEMENS AG ALBIS

Cited by
CN105845512A; US10340107B2

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
DE 19544624 C1 19970102; DE 59605121 D1 20000608; EP 0777250 A2 19970604; EP 0777250 A3 19971015; EP 0777250 B1 20000503; ES 2148660 T3 20001016; US 5864269 A 19990126

DOCDB simple family (application)
DE 19544624 A 19951130; DE 59605121 T 19961115; EP 96118333 A 19961115; ES 96118333 T 19961115; US 75433096 A 19961121