

Title (en)
ELECTROMAGNETIC RELAY

Publication
EP 0329138 B1 19930623 (DE)

Application
EP 89102683 A 19890216

Priority
DE 3805254 A 19880219

Abstract (en)
[origin: EP0329138A1] The relay has a coil with a core and one or two angle-shaped armatures (4, 15). The two armatures each have a second limb (4b; 15b), running approximately parallel to the coil axis, and an extension on which a restoring spring (7) engages. Each armature operates a contact spring connected to it. <??>As a result of the displacement of the bearing point onto the end of the second armature limb, increased friction is produced at the contact points and hence a reduction in the tendency to welding. As a result of this type of bearing, there is also a reduction in the effective spring force of the restoring spring while the armature is being attracted, thus increasing the reliability of armature attraction, with a constant excitation. <IMAGE>

IPC 1-7
H01H 50/60

IPC 8 full level
H01H 51/06 (2006.01); **H01H 50/60** (2006.01); **H01H 1/58** (2006.01); **H01H 3/00** (2006.01); **H01H 51/20** (2006.01)

CPC (source: EP US)
H01H 50/60 (2013.01 - EP US); **H01H 1/5822** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 51/20** (2013.01 - EP US)

Citation (examination)
US 4691181 A 19870901 - KATSUTANI KAZUJI [JP], et al

Cited by
WO2010142212A1; WO2013017137A1

Designated contracting state (EPC)
CH DE FR GB LI

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