

Title (en)  
ELECTROMAGNETIC RELAY WITH CONTACT SPRING MOUNTED ON ARMATURE

Publication  
**EP 0484592 A3 19930224 (DE)**

Application  
**EP 90124627 A 19901218**

Priority  
DE 9015406 U 19901109

Abstract (en)  
[origin: EP0484592A2] The relay has a contact spring which is connected to the armature, is broadened in the T-shape in the region opposite to the armature end after a constriction and hence forms a double contact or a bridge contact. A supporting lug is in each case integrally formed on the two lateral limbs of the contact spring, which supporting lug engages with the armature end in the event of an armature movement directed to contact opening. In this way, the soft spring characteristic is maintained during closing of the contacts, while, during opening, the armature impact is exerted in the immediate vicinity of the contact pieces in order, if necessary, to separate welded adhesions and mechanical sticking. <IMAGE>

IPC 1-7  
**H01H 50/54**

IPC 8 full level  
**H01H 1/26** (2006.01); **H01H 3/00** (2006.01); **H01H 50/54** (2006.01); **H01H 50/60** (2006.01)

CPC (source: EP US)  
**H01H 1/2075** (2013.01 - EP US); **H01H 3/001** (2013.01 - EP US); **H01H 50/546** (2013.01 - EP US); **H01H 50/60** (2013.01 - EP US)

Citation (search report)  
• [AD] EP 0214469 A1 19870318 - SIEMENS AG [DE]  
• [A] EP 0099019 A1 19840125 - SIEMENS AG [DE]  
• [A] EP 0081164 A1 19830615 - SIEMENS AG [DE]  
• [A] DE 1104065 B 19610406 - RAU SWF AUTOZUBEHOER

Cited by  
EP1073082A3; US5773375A; US5961904A; EP0570852A1; US5329265A; WO0106527A1

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