

Title (en)  
ELECTROMAGNETIC SWITCH APPARATUS

Publication  
**EP 0224081 B1 19910227 (DE)**

Application  
**EP 86115275 A 19861104**

Priority  
DE 3540460 A 19851114

Abstract (en)  
[origin: US4737749A] An electromagnetic switchgear having movable contact members engagable with respective fixed contact members includes an elastic connection between a movable armature and a contact carrier. The elastic connection enables relative motion between the armature and the contact carrier so that the contact carrier may remain relatively stationary during continued motion of the armature. The elastic connection comprises an appropriately designed coupling spring.

IPC 1-7  
**H01H 3/00**; **H01H 50/64**

IPC 8 full level  
**H01H 3/00** (2006.01); **H01H 50/20** (2006.01); **H01H 50/54** (2006.01); **H01H 50/64** (2006.01)

CPC (source: EP US)  
**H01H 3/001** (2013.01 - EP US); **H01H 50/645** (2013.01 - EP US)

Cited by  
US7812696B2; US7978036B2; US7872552B2; KR100887448B1; US6040750A; EP0358050A3; US6094117A; WO2006069958A1; WO9822966A1; WO9611487A1; WO9733289A1; WO2006069957A1; US7692522B2

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

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**EP 0224081 A1 19870603**; **EP 0224081 B1 19910227**; AT E61153 T1 19910315; DE 3540460 A1 19870521; DE 3677718 D1 19910404; DK 539686 A 19870515; DK 539686 D0 19861112; ES 2003929 A6 19881201; FI 863383 A0 19860821; FI 863383 A 19870515; IN 166446 B 19900512; JP H0777112 B2 19950816; JP S62119829 A 19870601; US 4737749 A 19880412

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**EP 86115275 A 19861104**; AT 86115275 T 19861104; DE 3540460 A 19851114; DE 3677718 T 19861104; DK 539686 A 19861112; ES 8603043 A 19861114; FI 863383 A 19860821; IN 783CA1986 A 19861027; JP 26846086 A 19861110; US 92469986 A 19861029