

Title (en)  
VACUUM SWITCH TUBE WITH A COIL FOR GENERATING A MAGNETIC FIELD

Publication  
**EP 0167479 B1 19890906 (DE)**

Application  
**EP 85730081 A 19850611**

Priority  
DE 3422949 A 19840619

Abstract (en)  
[origin: US4618750A] A vacuum switching tube comprises a stationary contact and a movable contact and a two section coil for generating a magnetic field between the contacts. A first coil section is associated with the stationary contact and generates, together with the movable contact designed as the other coil section, an axial magnetic field which permeates the space between the contacts. Since the predominant part of the magnetic field is generated by the stationary coil, the movable contact can be designed with relatively little mass and loss. The apparatus is suitable for vacuum switching tubes which control equally well large switching currents and large rated currents with a small temperature rise and little drive energy.

IPC 1-7  
**H01H 33/66**

IPC 8 full level  
**H01H 33/66** (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP US)  
**H01H 33/6645** (2013.01 - EP US); **H01H 33/6643** (2013.01 - EP US)

Citation (examination)  
EP 0073925 A1 19830316 - SIEMENS AG [DE]

Cited by  
US4935588A; US8710389B2; WO8706052A1; WO2013074283A1

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