

Title (en)  
VACUUM SWITCH WITH A RING ACTING AS A FIELD WINDING

Publication  
**EP 0088040 B1 19850911 (DE)**

Application  
**EP 83730011 A 19830201**

Priority  
DE 3206823 A 19820223

Abstract (en)  
[origin: US4504711A] A vacuum switching tube is disclosed which comprises two cooperating electrodes each of which includes an electrode body connected to a current conductor rod, a support plate and a contact. The electrode body comprises a ring through which a central bridge extends. Two raised sections are disposed on the ring diagonally opposite each other and offset 90 DEG from the central bridge. The raised sections constitute current transfer points. The main contact is connected to the electrode body only at the raised sections. In the space between the main contact and the ring is disposed a support plate made of a non-magnetic and electrically poorly conducting or non-conducting material. The main contact is supported by a plurality of spacers to provide mechanical strength. The electrode described herein operates with a self-generated axial magnetic field and is particularly well suited for vacuum circuit breakers.

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 33/6644** (2013.01 - EP US)

Cited by  
DE3510981A1; EP0104134A3; EP0715324A1; FR2727565A1; US5726406A; DE3610241A1; DE3416368A1

Designated contracting state (EPC)  
DE GB NL

DOCDB simple family (publication)  
**EP 0088040 A1 19830907**; **EP 0088040 B1 19850911**; DE 3206823 A1 19830901; DE 3360739 D1 19851017; JP S58157017 A 19830919; US 4504711 A 19850312

DOCDB simple family (application)  
**EP 83730011 A 19830201**; DE 3206823 A 19820223; DE 3360739 T 19830201; JP 2750483 A 19830221; US 46780683 A 19830218