

Title (en)
VACUUM SWITCH WITH A RING TO CREATE AN AXIAL MAGNETIC FIELD

Publication
EP 0082801 B1 19860730 (DE)

Application
EP 82730139 A 19821123

Priority
DE 3151907 A 19811223

Abstract (en)
[origin: US4445015A] A vacuum switching tube with a ring to generate an axial magnetic field. A vacuum switching tube is provided with a switching device member 12, which includes a conventional switching device 14 and an immediately adjacent axial field coil, which essentially consists of a galvanic open ring 20 with radially branching off conductor devices 22, 23 for current sink and drain. The inner diameter of the ring 20 approximates the outer diameter of the switching device 14. In this manner, an axially directed magnetic field is generated in the area of the contact surface of the switching device. The axially magnetic field counteracts the contraction of the switching light arcs.

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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); **H01H 33/6642** (2013.01 - EP US)

Cited by
EP0763841A3; EP0163593A1; DE4112113A1; DE3728400C1; DE3724425A1; GB2144916A; GB2174549A; GB2174549B; EP0143735A1; US4617434A; EP0525354A1; US5293506A; EP2551878A1; CN103828010A; US9330868B2; WO2014031428A1; WO2013013794A1; DE102021210859A1; WO2023051992A1

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