

Title (en)  
CONTACT ARRANGEMENT FOR A VACUUM SYSTEM

Publication  
**EP 0203367 B1 19890712 (DE)**

Application  
**EP 86105595 A 19860423**

Priority  
DE 3516205 A 19850506

Abstract (en)  
[origin: EP0203367A1] 1. Contact arrangement for a vacuum switch, with two contacts (A, B) arranged coaxially with respect to one another and displaceable relative to one another in their axial direction, said contacts each comprising a disc-shaped contact piece with a contact surface and spaced behind it a disc (20) made from a material that is a good electrical conductor, said discs (20a, 20b) each being directly connected to a central current supplying rod (10) and by virtue of being constructed with circular recesses (21a, 21b) and slots (22) producing radially and azimuthally extending current conductors and hence means for generating axial magnetic fields, the current passing from the current supplying rod (10) to the contact piece via the current conductors of the disc (20) and from there via lands laterally delimited by said slots (22), characterized in that the slots (22) run at an acute angle (<90 degrees) to the outermost tangent of the disc (20) and with their outer edges tangential to the circular recesses (21), and that the opposing contacts (A, B) are azimuthally orientated such that the circular recesses (21a, 21b) of the two opposing discs (20a, 20b) overlap one another in the axial direction, whereas two adjacent tangential slots (22) only oppose one another on the outer diameter of the discs (20a, 20b).

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

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

CPC (source: EP)  
**H01H 33/664** (2013.01); **H01H 33/6643** (2013.01); **H01H 33/6644** (2013.01)

Cited by  
EP1848019A1; DE19518233A1; EP2538428A1; EP0381843A3; US6072141A; DE4121685A1; DE4121685C2; US9040862B2; WO2007121938A1; WO2021121832A1; DE102019219879B4

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