

Title (en)
CONTACT ARRANGEMENT FOR A VACUUM SWITCH

Publication
EP 0155376 B1 19870603 (DE)

Application
EP 84115139 A 19841211

Priority
DE 3407088 A 19840227

Abstract (en)
[origin: US4620074A] A contact arrangement comprising two cup-type contacts having hollow-cylindrical contact carriers arranged coaxially with each other and having slots inclined in the same sense to the longitudinal axis of the contact arrangement. The slots act as a coil for generating a magnetic field for minimizing arc currents. The condition $\frac{B}{s} \geq \frac{1}{1000}$ is met in a range of the outside diameter D of the contact carriers of from 60 to 150 mm, a predetermined height HT of the contact carriers, a number s of the slots and an azimuth B of the slots. With this design, a contact arrangement with an axial magnetic field of at least 3.5 uT/A is obtained.

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 33/6642 (2013.01 - EP US)

Cited by
CN112420444A; DE3724811A1; DE19651745C1; US5064976A; DE3724813A1; US5313030A; CN108028150A; DE102004031887B3; EP0747917A3; EP2261940A1; FR2946792A1; DE10029763A1; DE10030670A1; DE10030670C2; RU203212U1; DE10029763B4; DE102012221844A1; US6307308B1; US8168910B2; US8164019B2; WO9826441A1; WO2014094724A1; US6891122B2; US6720515B2; US8288674B2; WO0197242A1; WO0199132A1; DE102015217647A1; WO2017045862A1; US10418211B2

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