

Title (en)

DISPOSITION OF CONTACTS FOR A VACUUM SWITCH

Publication

EP 0062186 B1 19850710 (DE)

Application

EP 82102093 A 19820315

Priority

DE 3112009 A 19810326

Abstract (en)

[origin: US4459446A] A configuration for a contact arrangement is disclosed for a switch having two coaxially positioned and generally cylindrical contacts. Each contact contains a coaxial core of ferromagnetic material, and a current-carrying envelope surrounding the core has the form of a helix. The helical envelope creates a current component which sets up a magnetic field in the widening contact gap when the contacts are separated that disperses arcing. Moreover, the field reinforces the closure pressure when the contacts are in their closed position. Ellipsoid shaping enables the field to be normal at all points of the contact-making surfaces.

IPC 1-7

H01H 33/66

IPC 8 full level

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CPC (source: EP US)

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Cited by

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