

Title (en)
VACUUM SWITCH.

Title (de)
VAKUUMSCHALTER.

Title (fr)
INTERRUPTEUR A VIDE.

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Application
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Abstract (en)
[origin: WO9311552A1] The arc can be moved between the open contacts by the magnetic forces of a magnetic system (20) which is arranged outside the casing (10) at the end of the current supply (14) to the fixed contact (2). According to the invention, a substantially disc-shaped fixed contact (2) forms the base or cover of the hollow cylindrical casing (10). The magnetic system (20) generates a magnetic field (6) which passes through the fixed contact (2) and the field lines of which form a toroidal arch, the circular apex line of which has a radius r_s ? which is, at the most, as great as the radius r_1 ? of the smaller of the two contacts (2, 4). Contact burning is correspondingly reduced by the movement of the cathode spot in the magnetic field (6).

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