

Title (en)

Arc chamber for a vacuum switch.

Title (de)

Schaltkammer eines Vakuumschalters.

Title (fr)

Chambre de coupure d'un interrupteur à vide.

Publication

**EP 0354445 B1 19941228 (DE)**

Application

**EP 89114173 A 19890801**

Priority

DE 8810063 U 19880806

Abstract (en)

[origin: EP0354445A2] In an arc chamber for a vacuum switch with a housing having at least one insulation tube and a stationary contact (2) held by a contact pin (3) supporting the arc chamber, a contact (1) which is movable approximately in the direction of the switch axis and is connected via a bellows vacuum-tightly to the housing (5, 6), touches the stationary contact (2) at the end face in the switched-on position under the influence of a contact force spring, a bent terminal piece (4), vacuum-tightly connecting the insulating tube (5) to the contact pin (2) of the housing, transferring the impact stresses occurring when the vacuum switch is switched on to the housing (5, 6). In order to be able to cope with large currents with a large number of switches here, the terminating piece (4) has a wave-shaped form with at least one full wave and is fastened with the outer cutting edge to the end face (14) of the insulating tube designed as a ceramic tube (5) and with the inner cutting edge to the jacket surface (12) of the contact pin (3) supporting the stationary contact (2). <IMAGE>

IPC 1-7

**H01H 33/66**

IPC 8 full level

**H01H 33/66** (2006.01); **H01H 33/662** (2006.01)

CPC (source: EP US)

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