

Title (en)
SINGLE-PRESSURE SWITCH WITH SF6

Publication
EP 0334008 B1 19920422 (DE)

Application
EP 89102110 A 19890208

Priority
DE 3810091 A 19880325

Abstract (en)
[origin: EP0334008A2] A single-pressure switch with SF6 having a compression device which can be operated by the switch movement. The arc energy of high-current arcs prevents the arc in such switches being blasted out by means of cold insulating gas of high density, and feeds back onto the drive. As a result of the switch according to the invention, the arc energy is used for blasting out and the feedback effect onto the drive is prevented in that a pressure chamber (3) and a gas storage space (9) are arranged between the compression device and the switching path (4), the pressure chamber (3) having an inlet opening (7) which can be closed by means of a closing device (8) with respect to the compression device, the closing device (8) opening an aperture (10) between the parts of the gas storage space (9) facing away from the switching path (4) and the pressure chamber (3) when the inlet opening (7) is closed, the closing device (8) being controlled by means of the switching path travelled or by means of the pressures occurring, and the pressure chamber (3) having an outlet opening (5), which can be closed by means of a non-return valve (6), in the direction of the switching path (4). <IMAGE>

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H01H 33/91

IPC 8 full level
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CPC (source: EP)
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Cited by
EP1372172A1; CN102306590A; WO2012163068A1

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