

Title (en)

Pressurized gas high voltage power circuit breaker.

Title (de)

Druckgas-Hochspannungsleistungsschalter.

Title (fr)

Disjoncteur de puissance haute tension à gaz comprimé.

Publication

EP 0014393 A1 19800820 (DE)

Application

EP 80100387 A 19800125

Priority

DE 2904109 A 19790203

Abstract (en)

In a pressurised gas high voltage power circuit breaker with a switching contact arrangement (2, 3) which is located in an electrically negative compressed gas insulating/extinguishing atmosphere, particularly an SF₆-atmosphere, an arrangement (5A, 5B) is provided for generating a magnetic field which acts on the switching arc in the sense of a better extinguishability of the arc as the current passes through zero. This arrangement (5A, 5B) for generating the magnetic field is designed, and/or limiting walls are provided, such that the arc, surrounded by the electrically negative compressed gas atmosphere, is essentially stationary and does not rotate. By means of a predetermined alignment of the magnetic field, the charge carrier paths are perturbed such that charge carriers are removed from the arc and are neutralised by the surrounding electrically negative compressed gas. <IMAGE>

IPC 1-7

H01H 33/18

IPC 8 full level

H01H 33/915 (2006.01); **H01H 33/18** (2006.01)

CPC (source: EP)

H01H 33/18 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH FR GB IT

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