

Title (en)

SWITCHING GAS DAMPER FOR LOW VOLTAGE POWER CIRCUIT BREAKERS

Title (de)

SCHALTGASDÄMPFER FÜR NIEDERSpannungs-LEISTUNGSSCHALTER

Title (fr)

AMORTISSEUR DE GAZ DE COMMUTATION POUR SECTIONNEUR DE PUISSANCE BASSE TENSION

Publication

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Application

**EP 00940149 A 20000420**

Priority

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Abstract (en)

[origin: WO0065621A1] The invention relates to a switching gas damper (1) for low voltage power circuit breakers (2) which is arranged as a top part placed above the arcing chambers (6, 7, 8) in order to effect additional damping, deionization and cooling of the switching gases. The switching gas damper (1) comprises a cuboidal housing with separate entrance openings for receiving switching gas streams (3, 4, 5) flowing to each arcing chamber (6, 7, 8) of the low voltage power circuit breaker (2). Separate diverting channels (17, 21, 23) are formed by the channel walls (16, 20) and/or by deflecting elements (15, 19), and they lead to the sides of the power circuit breaker (2). By virtue of the variable arrangement of the deflecting elements and diverting channels, it is possible, according to the arising quantities of gas and to the characteristics of the utilized arching chambers, to obtain a plurality of flow paths which are separate from one another and which exhibit various desired damping and cooling characteristics.

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**H01H 9/34**

IPC 8 full level

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