

Title (en)  
PUFFER-TYPE GAS CIRCUIT BREAKER

Publication  
**EP 0016983 B1 19840208 (DE)**

Application  
**EP 80101074 A 19800304**

Priority  

- DE 2909264 A 19790309
- DE 2909270 A 19790309
- DE 2942624 A 19791022
- DE 2942625 A 19791022
- DE 2942626 A 19791022
- DE 2942627 A 19791022
- DE 7906561 U 19790309

Abstract (en)  
[origin: US4393290A] A puffer-type gas blast circuit interrupter composed of two separable contacts defining a power current path and between which an arc is created upon separation movement, in which the movable parts of the gas compressor and/or the region of contact between the contacts of an associated nominal current path are shielded from the region in which the arc is created by a shielding arrangement composed of a stationary cylinder surrounding the nozzle associated with the gas compressor and a shield member carried by the nozzle. Additionally, to reduce the movable mass of the interrupter, at least one of the current paths is constituted by two stationary contact pieces and a movable contact member carried by, and projecting from, the cylinder of the gas compressor. Further, the mass of the moving parts of the system is reduced by providing the shield member carried by the nozzle with a cylindrical projection coaxial with, and slidable relative to, the stationary cylindrical member. Preferably, the interface between the shield member and the cylindrical member is hermetically sealed.

IPC 1-7  
**H01H 33/91**; **H01H 33/12**

IPC 8 full level  
**H01H 33/91** (2006.01); **H01H 1/38** (2006.01)

CPC (source: EP US)  
**H01H 33/91** (2013.01 - EP US); **H01H 1/385** (2013.01 - EP US)

Citation (examination)  

- DE 1207473 B 19651223 - SPRECHER & SCHUH AG
- DE 2039240 A1 19710408 - MERLIN GERIN
- CH 402111 A 19651115 - WESTINGHOUSE ELECTRIC CORP [US]
- CH 422943 A 19661031 - BBC BROWN BOVERI & CIE [CH]

Cited by  
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