

Title (en)  
PRESSURISED GAS CIRCUIT BREAKER

Publication  
**EP 0284813 B1 19921014 (DE)**

Application  
**EP 88103263 A 19880303**

Priority  
CH 113987 A 19870325

Abstract (en)  
[origin: US4839482A] The gas-blast breaker exhibits two contact members (1, 2) which are located in a housing filled with insulating gas and can be brought into and out of engagement with one another along an axis (5), and an insulating material nozzle (4) through the nozzle constriction (6) of which an arc burns during a switching process. The nozzle constriction (6) is formed by several segments (7) which follow one another in the circumferential direction, can be moved in the radial direction and can be loaded with a centripetally acting force. In this gas-blast breaker, the cross-section of the nozzle constriction (6) which is effective during a switching process is intended to be largely independent of the number of switching processes performed and causing nozzle erosion. This is achieved by the fact that the segments (7) exhibit in each case at least two side faces (16, 17, 18, 19, 20, 21) which are parallel to one another and to the axis (5) and which are delimited in each case by an edge extending in the surface of the nozzle constriction (6), and that adjacent segments (7) are supported on one another with their edges delimiting the side faces (19, 20) of these segments which are opposite to one another.

IPC 1-7  
**H01H 33/70**

IPC 8 full level  
**H01H 33/70** (2006.01); **H01H 33/91** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)  
**H01H 33/7084** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
CH DE FR IT LI

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**EP 0284813 A1 19881005; EP 0284813 B1 19921014**; DE 3875265 D1 19921119; JP S63259935 A 19881027; US 4839482 A 19890613

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