

Title (en)  
High power circuit breaker with sealing against hot arcing gasses

Title (de)  
Hochleistungsschalter mit Dichtung gegen Heissgas

Title (fr)  
Disjoncteur à haute puissance avec joint contre les gaz d'arc

Publication  
**EP 1675145 A1 20060628 (DE)**

Application  
**EP 04405797 A 20041223**

Priority  
EP 04405797 A 20041223

Abstract (en)  
A seal (1) protects a hot-gas/gas-pressure-sensitive element (10) from a flow (8) of hot gas and has a means (2a) of generating a sectional flow so as to create a sectional flow (8a) of hot gas in the flow of hot gas. Downstream to this, a channel (2) reduces mass flow rate in the sectional flow. A means (3) of expansion expands the sectional flow according to volume. An independent claim is also included for a method for protecting a hot-gas/gas-pressure-sensitive element in a heavy-duty circuit breaker from a flow of hot gas.

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

CPC (source: EP US)  
**H01H 33/70** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

Citation (search report)

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- [X] EP 0290950 A1 19881117 - BBC BROWN BOVERI & CIE [CH]
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- [A] US 3670126 A 19720613 - ROIDT ROBERT M
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 04405797 A 20041223**; AT 05812904 T 20051214; CH 2005000750 W 20051214; CN 200580044563 A 20051214; DE 502005004684 T 20051214; EP 05812904 A 20051214; JP 2007547140 A 20051214; US 81272907 A 20070621