

## Title (en)

Circuit breaker with separated main and shunt current paths.

## Title (de)

Leistungsschalter mit getrennten Leistungs- und Parallelstrombahnen.

## Title (fr)

Disjoncteur électrique à circuits principal et auxiliaire séparés.

## Publication

**EP 0011542 A1 19800528 (FR)**

## Application

**EP 79400819 A 19791105**

## Priority

FR 7832214 A 19781114

## Abstract (en)

[origin: US4309581A] A puffer-type gas-blast circuit-breaker comprises an interrupting unit mounted in a housing filled with an insulating gas of high dielectric strength such as sulfur hexafluoride. The interrupting unit includes a main circuit having a pair of stationary and movable main contacts, and an arcing circuit having a pair of stationary and movable arcing contacts. An operating mechanism comprises a control rod coupled to the movable contacts so as to open the main contacts before the separation of the arcing contacts. A pair of input and output terminals extend out of the housing, and a shunt conductor is arranged in the arcing circuit between operating rod and the lower terminal. The longitudinally extending main and arcing circuits are connected in parallel to the terminals and form two independent current paths which are cross-wise spaced inside the housing. A partition wall divides the inner space of the housing into two superposed compartments, one of them including the main contacts, and the other the arcing zone.

## Abstract (fr)

Les bornes d'amenée de courant (20, 22) forment des noeuds de dérivation du circuit principal (14) et du circuit auxiliaire (16), qui s'étendent parallèlement à faible distance à l'intérieur de l'enveloppe (10). Un conducteur shunt (54) est agencé dans le circuit auxiliaire (16) entre la tige (46) et la borne (22) inférieure et une paroi intermédiaire (56) en matériau isolant partage l'espace interne de l'enveloppe (10) en deux compartiments (60, 62) superposés, dont l'un (60) renferme les contacts principaux (24, 38) et l'autre (62) l'intervalle de coupure (64).

## IPC 1-7

**H01H 33/12; H01H 33/91**

## IPC 8 full level

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## CPC (source: EP US)

**H01H 33/122** (2013.01 - EP US); **H01H 33/91** (2013.01 - EP US)

## Citation (search report)

- FR 1302499 A 19620831 - COMP GENERALE ELECTRICITE
- FR 2285700 A1 19760416 - ALSTHOM CGEE [FR]
- US 3271548 A 19660906 - FRITZ KESSELRING
- CH 444260 A 19670930 - IRANY PAVEL BERNARDOVICH [RU], et al
- FR 1445422 A 19660708 - SACHSENWERK LICHT & KRAFT AG
- FR 1458334 A 19660304 - COMP GENERALE ELECTRICITE
- US 3257532 A 19660621 - WERNER LERCH HANS
- GB 1126362 A 19680905 - ASS ELECT IND
- US 3671696 A 19720620 - BRUNNER RICHARD G

## Cited by

FR2631735A1; EP0194489A3; EP0240406A1; FR2596915A1; EP0398213A1; FR2647254A1; US4996398A; EP0749139A1; FR2735277A1; CN1068963C; EP0239460A1; FR2596576A1; US4748304A; EP0450567A1; FR2660792A1; US5155314A; EP0517620A1; FR2677168A1; US5239150A; EP0378950A1; FR2641898A1; US5095183A

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