

Title (en)
CIRCUIT BREAKER WITH SEPARATED MAIN AND SHUNT CURRENT PATHS

Publication
EP 0011542 B1 19830720 (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.

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IPC 8 full level
H01H 33/88 (2006.01); **H01H 33/00** (2006.01); **H01H 33/12** (2006.01); **H01H 33/91** (2006.01); **H01H 33/915** (2006.01)

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

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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