

Title (en)
GAS BLAST SWITCH

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Application
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Priority
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Abstract (en)
[origin: US4774388A] A compressed gas dielectric circuit breaker comprising fixed main contacts (11), fixed arcing contacts (8A), a moving assembly comprising main contacts (21) and arcing contacts (22A), a blast device comprising a semi-moving cylinder (16) divided into first and second chambers (15, 35) by a fixed piston (3B), with the first chamber (15) communicating with a blast nozzle (12), and a thermal volume (9) opening out into the zone where the fixed arcing contacts (8A) separate from the arcing contacts (22A) of the moving assembly, communication (26) being established between the thermal volume (9) and said second chamber (35) in order to enable gas heated by the arc in the thermal volume to increase in pressure and to assist in the displacement of the cylinder (16) and thus in the compression of the gas in the first chamber (15).

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IPC 8 full level
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CPC (source: EP US)
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Cited by
FR3008541A1; EP0374384A3; EP0334008A3; EP0308626A3; EP0744759A1; EP0367072A1; FR2638564A1; WO2015007635A1

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