

Title (en)
HIGH-TENSION GAS BLAST CIRCUIT BREAKER

Publication
EP 0239932 B1 19910116 (FR)

Application
EP 87104480 A 19870326

Priority
FR 8604606 A 19860401

Abstract (en)
[origin: US4754109A] A compressed dielectric gas high-tension circuit breaker comprising: a fixed assembly comprising main contacts and arcing contacts; a moving assembly comprising main contacts and arcing contacts; a blast chamber comprising a piston which moves on separation of the contacts to urge compressed blast gas towards a blast nozzle situated in the zone where an arc is struck; and a thermal volume; wherein the thermal volume is in communication with the downstream portion of the blast nozzle via channels and passages extending the path between the thermal volume and said nozzle, said communication being closed by a calibrated non-return valve which opens only when the pressure in said channels and in said passage reaches a threshold value, said non-return valve closing the passage between the blast chamber and the nozzle when said communication is opened.

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H01H 33/98

IPC 8 full level
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CPC (source: EP US)
H01H 33/901 (2013.01 - EP US); **H01H 2033/902** (2013.01 - EP US); **H01H 2033/908** (2013.01 - EP US)

Citation (examination)
FR 2356258 A1 19780120 - SPRECHER & SCHUH AG [CH]

Cited by
FR2646961A1; US8502101B2; WO2011018426A1; WO2010112058A1

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