

Title (en)  
COMPRESSED-GAS CIRCUIT BREAKER

Publication  
**EP 0075668 B1 19870107 (DE)**

Application  
**EP 82106449 A 19820717**

Priority  
CH 629781 A 19810930

Abstract (en)  
[origin: US4471187A] A gas-blast switch or circuit-interrupter contains a fixed set of contacts and a movable set of contacts. Each contact set possesses an arc contact and a rated current contact coaxially surrounding the related arc contact. Operatively associated and co-movable with the movable contact set is a blast nozzle which surrounds the arc contact of such movable contact set. In the cut-on position the blast nozzle is closed by the fixed arc contact and is operatively connected with a pressure chamber which can be pressurized during a cut-off stroke. At the outflow end of at least one of the arc contacts there are arranged means in order to axially and outwardly deflect the switching gas flowing-out of such end during the cut-off stroke. The deflecting means comprise deflection hoods of essentially cup-shaped configuration which are open at their ends confronting one another and possess a base or floor portion containing a half toroidally shaped deflection surface at the peripheral edge of which there merges an essentially cylindrical portion or section. Each such cylindrical portion carries a plurality of tongues which protrude inwardly from its inner wall and which are arranged at a substantially uniform circumferential spacing from one another.

IPC 1-7  
**H01H 33/915**

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

CPC (source: EP US)  
**H01H 33/91** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

Cited by  
RU2608173C2; EP0754345A4; EP0382323A1; US4965419A; FR2760890A1; EP2930732A1; DE19928080C5; DE19832709C5; US5978200A; EP0382324A1; US5025118A; EP0388323A1; FR2644624A1; US5057655A; EP0152134A3; US9076611B2; US10199189B2; WO9613844A1; WO2013045235A1; WO0004565A1; WO2013120733A1; WO2013120732A1; US9514903B2; US6646850B1; US6717791B1; US9396891B2; EP1835520A1; EP1403891B2

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**EP 82106449 A 19820717**; DE 3275041 T 19820717; JP 17249182 A 19820930; US 42237282 A 19820923