

Title (en)
PRESSURIZED-GAS CIRCUIT BREAKER

Publication
EP 0290950 B1 19930414 (DE)

Application
EP 88107191 A 19880505

Priority
CH 184087 A 19870513

Abstract (en)
[origin: US4798924A] The compressed-gas breaker exhibits two contact members (3; 11, 12, 13), of which one (11, 12, 13) is constructed as a nozzle, and an insulating nozzle (5) and a heating volume (8) for storing switching-arc-generated compressed gas. This breaker is intended to be distinguished by a high pressure buildup in the heating volume (8) and a great thermal quenching capacity. This is achieved by a multi-part construction of the contact member (11, 12, 13) acting as a nozzle. In particular, this contact member (11, 12, 13) exhibits a tubular body (13), which is axially displaceably conducted in a contact carrier (11), of erosion-resistant contact material, which, during interruption, forms the nozzle constriction (19) of this contact member (11, 12, 13) while under the action of a spring (15).

IPC 1-7
H01H 33/70; **H01H 33/98**

IPC 8 full level
H01H 33/91 (2006.01); **H01H 33/70** (2006.01); **H01H 33/915** (2006.01); **H01H 33/98** (2006.01); **H01H 33/985** (2006.01)

CPC (source: EP US)
H01H 33/7023 (2013.01 - EP US); **H01H 33/98** (2013.01 - EP US)

Cited by
DE3915700A1; EP1675144A1; EP1675145A1; US7595461B2; US7732727B2; WO2006066426A1; WO2006066429A1

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