

Title (en)
COMPRESSED-GAS CIRCUIT BREAKER

Publication
EP 0160853 A3 19870722 (DE)

Application
EP 85104380 A 19850411

Priority
CH 224384 A 19840508

Abstract (en)
[origin: EP0160853A2] 1. Compressed gas circuit-breaker having two cylindrical switch parts (2, 3) movable in relation to one another along the cylinder axis, and having, for receiving extinction gas, a heating chamber (5) coaxially surrounding the switch parts (2, 3) and extending in the axial direction longer than in the radial direction, which extinction gas is heated during a switching operation by a switch arc (11) burning between the two switch parts (2, 3), is fed via an annular gap (6) into the heating chamber (5), and is there mixed with cool extinction gas, characterized in that the heating chamber (5) is divided by a partition wall (7) arranged coaxially with respect to the switch parts (2, 3) into two chambers (8, 9) of toroidal design, of which a first (8) of the two chambers (8, 9) is connected to the annular gap (6), and a second (9) of the two chambers (8, 9) is connected via openings (10) in the partition wall (7) to the first chamber (8).

IPC 1-7
H01H 33/70; **H01H 33/91**

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

CPC (source: EP)
H01H 33/98 (2013.01)

Citation (search report)
• [X] FR 2385214 A1 19781020 - MITSUBISHI ELECTRIC CORP [JP]
• [Y] FR 2520928 A1 19830805 - ALSTHOM ATLANTIQUE [FR]
• [X] US 4259555 A 19810331 - KII MASAMI
• [X] DE 2633093 A1 19780126 - SIEMENS AG
• [A] FR 2076494 A5 19711015 - ALSTHOM CGEE
• [A] US 4264795 A 19810428 - SASAO HIROYUKI, et al

Cited by
DE3915700A1; DE102011007103A1; FR2715497A1; CN112017904A; WO9015429A1

Designated contracting state (EPC)
CH DE FR LI SE

DOCDB simple family (publication)
EP 0160853 A2 19851113; **EP 0160853 A3 19870722**; **EP 0160853 B1 19891129**; **EP 0160853 B2 19950517**; DE 3421356 A1 19851114;
DE 3574520 D1 19900104; JP H0664976 B2 19940822; JP S60243920 A 19851203

DOCDB simple family (application)
EP 85104380 A 19850411; DE 3421356 A 19840608; DE 3574520 T 19850411; JP 9569485 A 19850507