

Title (en)

HIGH-VOLTAGE POWER SWITCH WITH A COOLING DEVICE FOR COOLING THE QUENCHING GAS

Title (de)

HOCHSPANNUNGS-LEISTUNGSSCHALTER MIT EINER KÜHLEINRICHTUNG ZUR KÜHLUNG DES LÖSCHGASES

Title (fr)

SECTIONNEUR DE PUISSANCE HAUTE TENSION POURVU D'UN SYSTEME DE REFROIDISSEMENT DU GAZ DE COUPAGE

Publication

EP 0720774 B1 19970514 (DE)

Application

EP 94924696 A 19940822

Priority

- DE 9400988 W 19940822
- DE 9314779 U 19930924

Abstract (en)

[origin: WO9508834A1] An electric high-voltage power switch has two contacts (1, 2) and at least one gas outlet (17) for quenching gas heated by the arc and a cooling device (12) for cooling the quenching gas consisting of a metal body (12) with through apertures (18) arranged in the flow path of the quenching gas. An insulating component (13, 14) impermeable to the quenching gas, is fitted in the gas outlet (17) in front of the metal body (12) viewed from the contacts (1, 2) and consists of a material (PTFE) releasing a quenching gas at high temperatures. Said insulating component (13, 14) is far enough away from the metal body (12) for the quenching gas to be able to pass through the aperture (18) substantially over the entire surface of the metal body (12).

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

H01H 33/765 (2013.01 - EP US); **H01H 33/98** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

Cited by

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