

Title (en)

ARC QUENCHER FOR MULTI-POLE LOW-TENSION CIRCUIT BREAKER WITH MOULDED CASING

Publication

**EP 0022708 B1 19831005 (FR)**

Application

**EP 80401023 A 19800704**

Priority

FR 7918315 A 19790712

Abstract (en)

[origin: EP0022708A1] 1. Arc quencher chamber for multi-pole low-tension circuit breaker with moulded insulating casing (12) comprising per pole : - a pair of separable stationary (20) and movable (22) contacts, - a driving mechanism for moving between the open and closed positions the movable contact (22), - metal plates (24) for cooling the arc drawn between said contacts when they separate upon tripping of said circuit breaker, - an extinction gas venting opening (38) provided in the casing (12) near the output of the chamber (16), - a deionizing device (40) located near said venting opening for cooling the extinction gas blown outside, characterized by the fact that the deionizing device comprises a monobloc venting screen (41) with a porous structure formed by balls or corns agglomerated by a sintering or heating process and having a size included between 0,5 mm and 1,5 mm corresponding to a predetermined granulometry of said porous structure having extinction gas venting intervals, the ball material comprising a metal or an alloy.

IPC 1-7

**H01H 73/18**

IPC 8 full level

**H01H 9/34** (2006.01)

CPC (source: EP)

**H01H 9/342** (2013.01)

Cited by

DE19803925A1; EP0644567A1; FR2710452A1; EP0437151A1; FR2655770A1; EP1298687A3; US5889249A; CN1072832C; DE3446041A1; CN107230571A; EP3389068A1; FR3065316A1; US6570116B2; US10134537B2; US7176771B2; US10347438B2

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**EP 0022708 A1 19810121; EP 0022708 B1 19831005**; DE 3065153 D1 19831110; FR 2461349 A1 19810130; FR 2461349 B1 19820219

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