

Title (en)

ARC CHUTE FOR A CIRCUIT BREAKER AND CIRCUIT BREAKER

Title (de)

LICHTBOGENKAMMER FÜR EINEN TRENNSCHALTER UND TRENNSCHALTER

Title (fr)

BOÎTE DE SOUFFLAGE POUR COUPE-CIRCUIT ET COUPE-CIRCUIT

Publication

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Application

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Abstract (en)

[origin: WO2012025555A1] The present disclosure relates to an arc chute for a DC circuit breaker comprising at least two parallel stacks (102, 106) of a plurality of substantially parallel metal plates (104, 104a, 104b, 104n, 108, 108a, 108b, 108n) defining a first axis (A) in parallel to a stacking direction, wherein the metal plates of the same stack have a reference distance (D1) between adjacent metal plates in the direction of the first axis; an arc space (109) defined between the two parallel stacks and adapted to allow an arc to move along the first axis, wherein a second axis (X) traverses the at least two parallel stacks in parallel to the metal plates and the arc space (109), wherein the second axis is substantially orthogonal to the first axis and an arc chute housing (111) having at least one top wall limiting the interior of the arc chute housing in the direction of the first axis, wherein a channel (113a, 113b) is formed between the top wall and the metal plate (104n, 108n) closest to the top wall of the at least one stack (102, 106), the channel having an extension (D3) in the direction of the first axis at least 2 times the reference distance (D1). Further, the present disclosure relates to a circuit breaker and a method for assembling an arc chute of a circuit breaker.

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