

Title (en)

AUTOMATIC CUTOUT WITH AN ARC EXTINGUISHING CHAMBER.

Title (de)

LEITUNGSSCHUTZSCHALTER MIT EINER LICHTBOGENKAMMER.

Title (fr)

COUPE-CIRCUIT AUTOMATIQUE COMPORTANT UNE BOITE D'EXTINCTION D'ARC.

Publication

**EP 0617836 B1 19951108 (DE)**

Application

**EP 92923693 A 19921204**

Priority

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- DE 9201006 W 19921204

Abstract (en)

[origin: WO9313538A1] The automatic cutout switch has inside its housing (1) an arc chamber (2) containing a stack of quenching plates (3) which communicates behind a slotted (2b) separating wall (2a) with an outwardly open blow-off chamber (4). In order to reduce considerably the ejection of hot conductive arc gases and also largely to prevent the exit of flames from the housing at breaking capacity, the blow-off chamber (4), consisting of two half shells (1a, 1b) of the housing (1), has several staggered walls (4a) transversely to the main direction of flow, like a labyrinth which considerably lengthen the gas flow path. In addition, the walls (4a) have, on their facing upper sides substantially parallel to the separating plane of the half-shell (1a, 1b), comb-like projecting pegs (4a') which cool the arc gases and cause them to eddy. The walls (4a) are preferably arranged at least partially to inter-engage at a short distance from each other alternately at each half-section (1a, 1b).

IPC 1-7

**H01H 73/18**

IPC 8 full level

**H01H 9/34** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)

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Cited by

CZ301531B6; DE10291133B4; DE10312820A1; DE10312820B4; EP1463075A2; WO02075760A1

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