

Title (en)
ARC EXTINGUISHING DEVICE, IN PARTICULAR FOR AN AUTOMATIC CUT OUT

Publication
EP 0051756 B1 19850502 (DE)

Application
EP 81108168 A 19811010

Priority
DE 3042168 A 19801108

Abstract (en)
[origin: EP0051756A1] 1. Arc-extinction device, in particular for an automatic cut-out, with at least one fixed (12) and at least one moveable (13) contact piece, between which, for example in the event of a contact separation caused by a short-circuit current, an arc (221, 222) is drawn, which is fed via at least one arc deflector (15) connected to one of the contact pieces (12, 13) to a bank of arc-extinction plates (18 to 21) in order to extinguish the arc, which is enclosed by a casing (30) additionally covering the exit side of the bank of arc-extinction plates (18 to 21) and having in this area gas emission openings (36, 38), characterised in that the casing (30) is designed as a U-shape, that is, it has two plates (32, 60; 34, 62) forming the legs of the U, and a connecting web (36, 64) which connects these plates together and which is provided with the gas emission openings (38, 66), that the two plates (32, 34; 60, 62) - running parallel to the arc-extinction plates - receive between them the bank of arc-extinction plates (18 to 21), and the connecting web (36, 64) comes into a position lying over the gas emission side of the bank of arc-extinction plates (18 to 21), and that the plates (32, 34; 60, 62) have elongated recesses (40, 42; 72, 74) closed on all sides and running in the direction of entry of the arc, the recesses (40, 42; 72, 74) being designed in such a way that a web (44, 46; 76, 78) made of plate material remains lying across the direction of entry of the arc at the area where the arc enters the bank of extinction plates (18 to 21).

IPC 1-7
H01H 73/18; **H01H 9/36**

IPC 8 full level
H01H 9/36 (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)
H01H 9/36 (2013.01); **H01H 73/18** (2013.01)

Cited by
CN101677050A; EP1313117A3; EP3327742A1; EP1313117A2; WO9417539A1

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