

Title (en)
AIR CIRCUIT BREAKER

Title (de)
OFFENER LEISTUNGSSCHALTER

Title (fr)
DISJONCTEUR À AIR

Publication
EP 3998622 A1 20220518 (EN)

Application
EP 20836242 A 20200519

Priority
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Abstract (en)
The present disclosure includes: a fixed element (2) having a fixed contactor (1); a movable element (4) having a movable contactor (3) contactable with and separable from the fixed contactor (1); an arc extinguishing chamber (14) in which an arc (16) is extinguished; a fixed-side arc runner (10) having an end portion extending in a direction opposite to a direction toward the movable element (4), from an interval between the fixed element (2) and the arc extinguishing chamber (14); a movable-side arc runner (11) having an end portion extending in a direction opposite to a direction toward the fixed element (2), from an interval between the movable element (4) and the arc extinguishing chamber (14); and a mold frame (15) enclosing the fixed element (2) and the movable element (4) and supporting the fixed element (2), the movable element (4), the fixed-side arc runner (10), and the movable-side arc runner (11). The mold frame (15) includes: a fixed-side gas discharge passage (21) through which a port provided in a side surface of the mold frame (15) and a fixed-side gas discharge port (19) are in communication with each other and which is separated from the fixed element (2) side by a fixed-side blocking wall (23); and a movable-side gas discharge passage (22) through which a port provided in a side surface of the mold frame (15) and a movable-side gas discharge port (20) are in communication with each other and which is separated from the movable element (4) side by a movable-side blocking wall (24).

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