

Title (en)
CIRCUIT BREAKER WITH ARC EXTINGUISHING BARRIER

Title (de)
SCHUTZSCHALTER MIT LICHTBOGENLÖSCHBARRIERE

Title (fr)
DISJONCTEUR À BARRIÈRE D'EXTINCTION D'ARC

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Application
EP 15736655 A 20150422

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Abstract (en)
[origin: WO2015177817A1] A circuit breaker (1) is described, comprising: - at least a first contact branch (C1) comprising at least a first contact element (P1) and at least a first support element (S1) of the first contact element (P1), at least a first connection terminal (T1) electrically connected to, or integrated into, the first support element (S1); - an actuating mechanism (15) of the first support element (S1) adapted to move the latter so that the first contact element (P1) can be moved from a rest position to a working position and vice versa; - a second contact branch (C2) comprising at least a second contact element (P2), adapted to be contacted by the first contact element (P1) when this is in the working position, at least a second support element (S2) of the second contact element (P2) and at least a second connection terminal (T2) electrically connected to, or integrated into, the second support element (S2); characterized in that the circuit breaker (1) further comprises an electrically insulating mobile barrier (60) adapted to be moved between: a first operating position wherein the mobile barrier (60) allows the second contact element (P2) to be contacted by the first contact element (P1); and a second operating position wherein the mobile barrier (60) is at least partially operatively interposed between the first contact element (P1) and the second contact element (P2) to interfere, in the passage of the first contact element (P1) from the working position to the rest position, with an electric arc that extends between said contact elements.

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