

Title (en)
CIRCUIT BREAKER FOR ISOLATING AN ELECTRICAL CIRCUIT

Title (de)
SCHUTZSCHALTER ZUR TRENNUNG EINES STROMKREISES

Title (fr)
DISJONCTEUR DE PROTECTION POUR LA COUPURE D'UN CIRCUIT ÉLECTRIQUE

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Application
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Abstract (en)
[origin: WO2019175042A1] The invention relates to a circuit breaker (2) comprising a switching unit (4) for interrupting an electrical circuit, having a stationary fixed contact (22) and a moving contact (24), which can be moved relative to the fixed contact (22) and can be switched from a closed position to an open position, and also having a quenching device (28) for quenching an arc which is produced when the contacts (22, 24) are opened, comprising a prechamber (34) for guiding the arc from the contacts (22, 24) to a quenching chamber (30), wherein the prechamber (34) has two insulating side walls (52) and a pair of arc guide rails (36, 38) which are situated therebetween, wherein a ferromagnetic shaped part (54) is arranged on each of the side walls (52), and wherein a permanent magnet (58) is arranged in the region of the fixed contact (22), the magnetic field of said permanent magnet guiding the arc along one of the arc guide rails (36).

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