

Title (en)

PRESSURE PROPELLED CONTACT SYSTEM FOR GAS CIRCUIT BREAKER INTERRUPTER

Title (de)

DRUCKANGETRIEBENES KONTAKTSYSTEM FÜR EINEN GASSCHUTZSCHALTER

Title (fr)

SYSTÈME DE CONTACT PROPULSÉ PAR PRESSION POUR INTERRUPTEUR À DISJONCTEUR À GAZ

Publication

EP 2596513 B1 20180214 (EN)

Application

EP 11746673 A 20110520

Priority

- IN 790KO2010 A 20100720
- IN 2011000353 W 20110520

Abstract (en)

[origin: WO2012011119A1] The invention relates to a pressure-propelled contact system for gas circuit breaker interrupter, comprising : an insulating chamber for storage of gas; a metallic blast cylinder having a movable piston for pressurizing the gas supplied from the insulating chamber; an insulating nozzle for blowing compressed gas over a high temperature arc when formed due to electrical fault between a pair of designated fixed contact means, and a moving arcing contact means; Characterized in that the designated fixed arcing contact is configured as movable due to a differential pressure generated during the current interruption process, in that a compression ring is provided to the fixed arcing contact to increase the relative speed between the fixed arcing contact and the moving arcing contact, and in that a substantially physical coupling between the contacts is achieved due to elimination of the gap between the contacts.

IPC 8 full level

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CPC (source: EP)

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Cited by

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