

Title (en)

MOLDED CASE CIRCUIT BREAKER HAVING PRESSURIZED CONTACT FIXING STRUCTURE

Title (de)

FORMGEHÄUSESCHUTZSCHALTER MIT UNTER DRUCK STEHENDER KONTAKTHALTESTRUKTUR

Title (fr)

DISJONCTEUR À BOÎTIER MOULÉ DOTÉ D'UNE STRUCTURE DE FIXATION À CONTACT SOUS PRESSION

Publication

EP 2937886 A1 20151028 (EN)

Application

EP 12885188 A 20121223

Priority

KR 2012011332 W 20121223

Abstract (en)

This application includes a moveable element being rotatably installed on a main body, the moveable element forming a pressure unit with a constant gradient in one side thereof, a moveable contact being formed to correspond to the gradient of the pressure unit to be fixed by the pressure unit and a fixable element being in a contact with the moveable contact. This application provides a molded case circuit breaker. The molded case circuit breaker may prevent a moveable contact deviation according to a solder fusion between a moveable element and a moveable contact although a temperature of a current carrying unit excessively increases when a fault current flows in, may form a moveable contact of a gradient shape corresponding to a pressure unit shape to increase a current carrying reliability despite inflow of the fault current and may prepare a weld unit between a pressure unit and a moveable contact to have a pressurized contact structure capable of maintaining a fixed factor such as re-welding the pressure unit and the moveable contact despite melting and cooling.

IPC 8 full level

H01H 11/06 (2006.01); **H01H 71/10** (2006.01); **H01H 73/04** (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)

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