Title (en)

HYBRID CIRCUIT BREAKER USING SWITCH FOR RESTORING TO A CLOSURE

Title (de)

HYBRID-LEISTUNGSSCHALTER UNTER VERWENDUNG EINES SCHALTERS MIT RÜCKSTELLUNG AN EINEM ABSCHLUSS

Title (fr)

DISJONCTEUR HYBRIDE UTILISANT UN INTERRUPTEUR AVEC RETOUR SUR FERMETURE

Publication

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Application

**EP 11706837 A 20110308**

Priority

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- EP 2011053472 W 20110308

Abstract (en)

[origin: WO2011110561A1] The invention relates to a hybrid circuit breaker having an interrupter chamber (110) and a vacuum bulb (20), which are simultaneously controlled by a single mechanical control means in order to comply with a predetermined opening sequence. The system for controlling the opening and closing of the vacuum bulb (20) primarily consists of a control rod (31) which is controlled by the control means for the hybrid circuit breaker and rigidly connected to the movable contact (22) of the vacuum bulb (20) by a movable control rod (32), by means of a holding system which deforms, e.g., a flexible toroidal helical spring (38) placed in the grooves of said two rods. The control rod (31) is disconnected from the movable contact rod (32) by an energy storage spring (34), as a result of the deformation of the flexible toroidal helical spring (38). The invention can be used for medium and high-voltage hybrid circuit breakers.

IPC 8 full level

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