

Title (en)

ELECTRICAL APPLIANCE TO ESTABLISH OR INTERRUPT THE CURRENT IN AN ELECTRIC CIRCUIT

Title (de)

ELEKTRISCHES GERÄT ZUR STROMVERBINDUNG ODER -UNTERBRECHUNG IN EINEM ELEKTRISCHEN SCHALTKEIS

Title (fr)

APPAREIL ÉLECTRIQUE DESTINÉ À ÉTABLIR OU INTERROMPRE LE COURANT DANS UN CIRCUIT ÉLECTRIQUE

Publication

**EP 3709323 B1 20210519 (FR)**

Application

**EP 20157565 A 20200217**

Priority

FR 1902611 A 20190314

Abstract (en)

[origin: CN111696795A] The invention relates to electrical equipment, comprising at least two pairs of fixed contacts (1-8) and a bridge (P) of two movable contacts (9, 13) associated with each pair of fixed contacts, wherein the bridges of the two movable contacts are movable between a first position, in which they electrically connect the two fixed contacts, and a second position, in which the current between the two fixed contacts is cut off, and wherein the bridges P of the movable contacts are mounted in a contact holder (14), allowing the bridges of all movable contacts to move at the same time. The equipment is characterized in that the opening distances between the fixed neutral contacts (1, 5) on one side and the movable neutral contacts (9, 13) on the other side are respectively smaller than the opening distances between the fixed contacts (2, 3, 4, 6, 7, 8) of the or each phase and the corresponding movable contacts of the or each phase. The two movable neutral contacts (9, 13) are arranged such that, during opening of the contactor, when the two respective fixed and movable contacts of the phase line are welded together, the two movable neutral contacts (9, 13) remain closed such that the neutral contacts remain electrically conductive even if the contact holder (14) becomes deflected after the two respective fixed and movable phase contacts are welded together.

IPC 8 full level

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