

Title (en)
Circuit breaker with built-in fuse and disconnection switch.

Title (de)
Sicherungsschalter mit Trenneinrichtung.

Title (fr)
Coupe-circuit à préhenseur et interrupteur de sectionnement.

Publication
EP 0068956 A1 19830105 (FR)

Application
EP 82401056 A 19820610

Priority
FR 8112815 A 19810630

Abstract (en)
1. A circuit breaker with fuse holder therein, of the kind comprising, in a body (10), on the one hand, a member (11) referred to as a fuse holder which has a recess (13) for housing a cartridge fuse and which is mounted rotatably in said body (10) between a closed position in which said cartridge fuse makes an electrical connection between two contacts (17A, 17B) interposed between two connecting terminals (18A, 18B) and an extraction position in which said recess (13) opens to the exterior of said body (10) for fitting or removal of such a cartridge fuse, and, on the other hand, a disconnection switch (23) which is interposed between two other connecting terminals (24A, 24B) and which is normally open and which is capable of being actuated to a closed position by the fuse holder (11) when said fuse holder (11) is itself in the closed position, characterised in that, to act on the disconnection switch (23), the fuse holder (11) carries an actuating element (33) which is mounted movably on said fuse holder (11) between an extended position in which, in the presence of a cartridge fuse, it is actually capable of actuating the disconnection switch (23) to the closed position, and a retracted position in which, in the absence of such a cartridge fuse, it is unable to actuate said disconnection switch (23) to the closed position.

Abstract (fr)
Il s'agit d'un coupe-circuit du genre comportant, d'une part un organe (11), dit préhenseur, qui présente un évidement (13) propre au logement d'une cartouche fusible (14), et d'autre part, un interrupteur de sectionnement (23), normalement ouvert, et susceptible d'être commandé en fermeture par le préhenseur (11) lorsque celui-ci est en position de fermeture. Suivant l'invention, pour action sur l'interrupteur de sectionnement (23), le préhenseur (11) porte un élément d'actionnement (33), monté rotatif entre une position déployée, pour laquelle, en présence d'une cartouche fusible, il est effectivement apte à commander en fermeture l'interrupteur de sectionnement, et une position rétractée, pour laquelle, en l'absence d'une telle cartouche fusible, il est inapte à une telle action. Application aux coupe-circuit à préhenseur et interrupteur de sectionnement.

IPC 1-7
H01H 9/10; **H01H 85/54**

IPC 8 full level
H01H 9/10 (2006.01); **H01H 85/54** (2006.01); **H01H 85/00** (2006.01)

CPC (source: EP)
H01H 9/104 (2013.01); **H01H 85/545** (2013.01); **H01H 85/0091** (2013.01)

Citation (search report)
• [AD] FR 2431762 A1 19800215 - LEGRAND SA [FR]
• [A] DE 1640053 A1 19700521 - EFEN ELEKTROTECH FAB
• [A] DE 1221711 B 19660728 - WESTINGHOUSE ELECTRIC CORP

Cited by
EP1840920A3; DE3924371A1; FR2551915A1; EP1296342A1; FR2829870A1; US9384930B2; WO03069647A1; WO2012122862A1

Designated contracting state (EPC)
BE DE GB IT

DOCDB simple family (publication)
EP 0068956 A1 19830105; **EP 0068956 B1 19841227**; DE 3261689 D1 19850207; FR 2508701 A1 19821231; FR 2508701 B1 19831104

DOCDB simple family (application)
EP 82401056 A 19820610; DE 3261689 T 19820610; FR 8112815 A 19810630