

Title (en)
AUXILIARY SWITCH

Title (de)
HILFSSCHALTER

Title (fr)
COMMUTATEUR AUXILIAIRE

Publication
EP 3340270 A1 20180627 (EN)

Application
EP 17208583 A 20171219

Priority
CN 201611199499 A 20161222

Abstract (en)
Disclosed in the present invention is an auxiliary switch, having a housing, in which are provided the following: an operating handle; a trip assembly; a connecting rod assembly; a first locking rod, having a first drive part and a second drive part, wherein the connecting rod assembly can drive the first locking rod, to enable the first drive part to engage with or disengage from the trip assembly; a resettable first rotating plate, connected to the second drive part and capable of being driven by the first locking rod, with a first moving contact being disposed on the first rotating plate; a resettable second rotating plate, with a second moving contact being disposed thereon; and a second locking rod, resettably connected to the housing and capable of locking the second rotating plate, wherein the second locking rod can release the locking of the second rotating plate under the action of a driving force of the first locking rod. The auxiliary switch according to the present invention can not only be used to output an open/closed state of a circuit breaker, but at the same time can also be used to output a fault signal for a circuit in which the circuit breaker is located.

IPC 8 full level
H01H 71/46 (2006.01); **H01H 1/22** (2006.01)

CPC (source: CN EP)
H01H 1/22 (2013.01 - EP); **H01H 71/04** (2013.01 - CN); **H01H 71/12** (2013.01 - CN); **H01H 71/462** (2013.01 - EP); **H01H 1/225** (2013.01 - EP); **H01H 2011/047** (2013.01 - EP); **H01H 2071/467** (2013.01 - EP)

Citation (search report)
• [A] EP 0147605 A2 19850710 - LICENTIA GMBH [DE]
• [A] EP 0951044 A1 19991020 - SCHNEIDER ELECTRIC IND SA [FR]
• [A] WO 2010052077 A1 20100514 - SIEMENS AG [DE], et al
• [A] US 2885500 A 19590505 - WALL DAVID A

Cited by
CN111933492A; CN108899256A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3340270 A1 20180627; **EP 3340270 B1 20190724**; CN 108231497 A 20180629; CN 108231497 B 20191015

DOCDB simple family (application)
EP 17208583 A 20171219; CN 201611199499 A 20161222