

Title (en)
SWITCHING ASSEMBLY WITH SECURE ATTACHING SOLUTION FOR EMERGENCY STOP DEVICE

Title (de)
SCHALTERANORDNUNG MIT SICHERER AUFHÄNGUNG FÜR NOTHALTEVORRICHTUNG

Title (fr)
ENSEMBLE DE COMMUTATION À SOLUTION D'ACCROCHAGE SÉCURISÉ POUR DISPOSITIF D'ARRÊT D'URGENCE

Publication
EP 3651173 A1 20200513 (FR)

Application
EP 19204028 A 20191018

Priority
FR 1860252 A 20181107

Abstract (en)
[origin: US2020144005A1] A switching assembly intended to be joined onto a control assembly provided with an actuation member, the switching assembly comprising a body, an electrical circuit comprising two fixed contacts, the electrical circuit being able to be controlled both by a control switch of a normally-closed type and by a monitoring switch of a normally-open type, linked in series with the control switch. The monitoring switch makes it possible to monitor the correct secure attachment of the switching assembly onto the control assembly by keeping the electrical circuit open as long as the control assembly is mechanically disconnected from the switching assembly.

Abstract (fr)
L'invention concerne un ensemble de commutation (2) destiné à être assemblé sur un ensemble de commande (1) doté d'un organe d'actionnement (10), ledit ensemble de commutation comportant un corps (20), un circuit électrique comportant deux contacts fixe (23a, 23b), ledit circuit électrique étant commandable à la fois par un commutateur de commande de type normalement fermé et par un commutateur de surveillance de type normalement ouvert, relié en série avec ledit commutateur de commande. Le commutateur de surveillance permet de surveiller que l'ensemble de commutation (2) est bien accroché sur l'ensemble de commande (1) en maintenant le circuit électrique ouvert tant que l'ensemble de commande (1) est déconnecté mécaniquement de l'ensemble de commutation (2).

IPC 8 full level
H01H 3/02 (2006.01); **H01H 13/50** (2006.01)

CPC (source: BR CN EP US)
H01H 1/0015 (2013.01 - CN); **H01H 3/022** (2013.01 - CN EP); **H01H 3/0253** (2013.01 - EP); **H01H 9/16** (2013.01 - CN); **H01H 13/04** (2013.01 - US); **H01H 13/14** (2013.01 - US); **H01H 13/20** (2013.01 - US); **H01H 13/503** (2013.01 - EP); **H01H 13/68** (2013.01 - BR); **H01H 2235/01** (2013.01 - US)

Citation (applicant)
• US 6198058 B1 20010306 - GRANINGER FRANK J [US], et al
• DE 4101493 A1 19920723 - SCHLEGEL GEORG GMBH & CO [DE]
• EP 2332158 A1 20110615 - SCHNEIDER ELECTRIC IND SAS [FR]
• EP 2564408 A1 20130306 - SCHNEIDER ELECTRIC IND SAS [FR]

Citation (search report)
• [A] EP 0089863 A1 19830928 - TELEMECANIQUE ELECTRIQUE [FR]
• [A] WO 2011135225 A1 20111103 - SCHNEIDER ELECTRIC IND SAS [FR], et al
• [AD] DE 4101493 A1 19920723 - SCHLEGEL GEORG GMBH & CO [DE]
• [A] DE 102007047293 A1 20090409 - GEORG SCHLEGEL GMBH & CO KG [DE]
• [A] US 2008000760 A1 20080103 - NG SAY HWEE [SG], et al
• [A] DE 202017006762 U1 20180427 - EPCOS AG [DE]

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 3651173 A1 20200513; **EP 3651173 B1 20201125**; BR 102019022381 A2 20200526; BR 102019022381 A8 20220726; BR 102019022381 B1 20221025; CN 111161963 A 20200515; CN 111161963 B 20240405; FR 3088135 A1 20200508; FR 3088135 B1 20201009; US 11101084 B2 20210824; US 2020144005 A1 20200507

DOCDB simple family (application)
EP 19204028 A 20191018; BR 102019022381 A 20191025; CN 201911058457 A 20191101; FR 1860252 A 20181107; US 201916660399 A 20191022