

Title (en)
Device for locking an item of switchgear, particularly for grounding disconnectors of electrical lines, with high safety against unauthorized actuation

Title (de)
Verriegelungssystem eines Schaltgeräts, insbesondere für einen Erdungsschalter, mit hoher Sicherheit gegen unerlaubte Betätigung

Title (fr)
Système de verrouillage pour des appareils électriques, en particulier pour un sectionneur, avec une haute sécurité contre un actionnement non autorisé

Publication
EP 1748454 B1 20090225 (EN)

Application
EP 06009531 A 20060509

Priority
IT MI20051473 A 20050728

Abstract (en)
[origin: EP1748454A2] A device for locking an item of switchgear, particularly for grounding disconnectors of electrical lines, with high safety against unauthorized actuations, comprising an abutment element (2), which is connected to the item of switchgear (3) to be locked and can move along a path in order to pass from at least one first position to at least one second position, these positions being mutually spaced along the path, or vice versa. The device comprises first locking means (4), which can engage the abutment element (2) in order to lock it in the two mentioned positions, and control means (5) for disengaging the first locking means (4) from the abutment element (2). The first locking means (4) comprise a calibrated-shear element (6) adapted to allow, following its breakage, the passage of the abutment element (2) from the first position to the second position without acting on the control means (5). The device comprises second locking means (7), which can engage the abutment element (2) in order to lock it in the second position despite the breakage of the calibrated-shear element (6).

IPC 8 full level
H01H 31/04 (2006.01); **H01H 9/20** (2006.01)

CPC (source: EP)
H01H 9/20 (2013.01); **H01H 31/04** (2013.01); **H01H 9/223** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1748454 A2 20070131; **EP 1748454 A3 20080319**; **EP 1748454 B1 20090225**; AT E424034 T1 20090315; DE 602006005292 D1 20090409; IT MI20051473 A1 20070129

DOCDB simple family (application)
EP 06009531 A 20060509; AT 06009531 T 20060509; DE 602006005292 T 20060509; IT MI20051473 A 20050728