

Title (en)
Latching mechanism for activating a switch

Title (de)
Einrastmechanismus zur Aktivierung eines Schalters

Title (fr)
Mécanisme de verrouillage pour l'activation d'un commutateur

Publication
EP 2804197 A1 20141119 (EN)

Application
EP 13168202 A 20130517

Priority
EP 13168202 A 20130517

Abstract (en)
A latching mechanism (10) for activating a switch, a switch comprising a latching mechanism (10) described herein, and a method of unlatching a latching mechanism (10) are described. The latching mechanism (10) comprises a latch element (12), at least one linear actuator (11), and a first clamp element (13), wherein the latching mechanism (10) is configured to change between a latched state and an unlatched state. In the latched state the at least one linear actuator (11) is extended along a longitudinal axis (20) and presses the latch element (12) against the first clamp element (13) to thereby establish a frictional locking between the latch element (12) and the first clamp element (13). In the unlatched state the at least one linear actuator (11) is contracted along the longitudinal axis (20) thereby releasing the frictional locking between the latch element (12) and the first clamp element (13) to thereby allow a movement of the latch element (12) for activating the switch.

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CPC (source: EP)
H01H 71/127 (2013.01); **H01H 71/128** (2013.01); **H01H 71/505** (2013.01)

Citation (search report)
• [A] EP 1983542 A2 20081022 - EATON CORP [US]
• [A] FR 2829871 A1 20030321 - ALSTOM [FR]
• [A] WO 9914779 A1 19990325 - SIEMENS AG [DE], et al
• [A] WO 2011107858 A1 20110909 - EATON CORP [US], et al
• [A] FR 2923075 A1 20090501 - AREVA T & D AG [CH]
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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

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