

Title (en)
LATCHING DEVICE AND RELEASE MECHANISM

Title (de)
KLINKE UND ÜBERLASTAUSLÖSER

Title (fr)
DECLENCHEUR ET ENCLIQUETAGE

Publication
EP 3249674 B1 20230913 (DE)

Application
EP 17158222 A 20170227

Priority
DE 102016208930 A 20160524

Abstract (en)
[origin: US2017345599A1] An overload release includes a bimetallic element, a tripping slide, a latch and an energy store. In an overload situation the bimetallic element actuates the tripping slide; as a result, the tripping slide actuates the latch, and as a result, the latch allows the movement of the energy store. The latch is provided with a latch area and the energy store is provided with a latching area, the two areas mechanically interacting in the latched state and the latch area being released from the latching area in the unlatched state, when there is an overload, to allow the movement of the energy store. Further, the latch area or the latching area includes a projection.

IPC 8 full level
H01H 71/50 (2006.01); **H01H 73/50** (2006.01)

CPC (source: CN EP US)
H01H 9/20 (2013.01 - US); **H01H 71/16** (2013.01 - CN US); **H01H 71/505** (2013.01 - EP US); **H01H 73/50** (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 3249674 A1 20171129; **EP 3249674 B1 20230913**; CN 107424880 A 20171201; CN 107424880 B 20200320;
DE 102016208930 A1 20171130; US 10347454 B2 20190709; US 2017345599 A1 20171130

DOCDB simple family (application)
EP 17158222 A 20170227; CN 201710362800 A 20170522; DE 102016208930 A 20160524; US 201715463178 A 20170320