

Title (en)

Mine protection lock and method for unlocking the mine protection lock

Title (de)

Minenschutzverriegelung und Verfahren zur Entriegelung einer Minenschutzverriegelung

Title (fr)

Verrouillage de protection anti-mines et procédé de déverrouillage du verrouillage de protection anti-mines

Publication

**EP 2410113 A2 20120125 (DE)**

Application

**EP 11173769 A 20110713**

Priority

DE 102010036607 A 20100724

Abstract (en)

The locking device has movable locking elements (2.1-2.3) i.e. mine protection latches, and unlocking actuators (3.1-3.3) for unlocking the locking elements. Each actuator has an energy storage for supplying energy for unlocking the locking elements, where the actuators are formed such that the actuators act against a locking movement direction of the locking elements. A manual or motor-operated operating device is provided for the locking elements, and the actuators are arranged in a force flow area between the locking elements and the operating device. Independent claims are also included for the following: (1) a military vehicle comprising a door with a locking device (2) a method for unlocking a locking device.

Abstract (de)

Minenschutzverriegelung für eine Tür (1) eines militärischen Fahrzeugs mit einem bewegbaren Verriegelungselement (2.1, 2.2, 2.3), insbesondere einem Minenschutzriegel, mit einem Entriegelungsaktor (3.1, 3.2, 3.3) zur Entriegelung des Verriegelungselements (2.1, 2.2, 2.3) sowie Verfahren zur Entriegelung einer Minenschutzverriegelung für eine Tür (1) eines militärischen Fahrzeugs, insbesondere nach einer Mineneinwirkung, mit einem bewegbaren Verriegelungselement (2.1, 2.2, 2.3), insbesondere einem Minenschutzriegel, wobei ein Entriegelungsaktor (3.1, 3.2, 3.3) das Verriegelungselement (2.1, 2.2, 2.3) entriegelt.

IPC 1-7

**E05B 65/30**

IPC 8 full level

**E05B 83/00** (2014.01); **E05B 47/02** (2006.01); **E05B 85/22** (2014.01); **F41H 7/04** (2006.01)

CPC (source: EP)

**E05B 83/01** (2013.01); **E05B 85/22** (2013.01); **E05C 9/04** (2013.01); **F41H 5/226** (2013.01); **F41H 7/044** (2013.01); **E05B 51/023** (2013.01); **E05B 63/143** (2013.01); **E05B 63/248** (2013.01); **E05B 77/10** (2013.01); **E05B 81/06** (2013.01); **E05B 81/10** (2013.01); **E05B 81/14** (2013.01)

Citation (applicant)

- DE 102008039509 A1 20100304 - KRAUSS MAFFEI WEGMANN GMBH & C [DE]
- EP 1115505 A1 20010718 - PROCTER & GAMBLE [US]

Cited by

EP3683138A1

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 2410113 A2 20120125**; **EP 2410113 A3 20141231**; **EP 2410113 B1 20170614**; DE 102010036607 A1 20120126

DOCDB simple family (application)

**EP 11173769 A 20110713**; DE 102010036607 A 20100724