Title (en)

LOCK HAVING A SECURITY DEVICE FOR AN AUTOMATIC STORAGE MACHINE AND AUTOMATIC STORAGE MACHINE

Title (de)

SCHLOSS MIT EINER SICHERHEITSVORRICHTUNG FÜR EINEN AUFBEWAHRUNGSAUTOMATEN, SOWIE AUFBEWAHRUNGSAUTOMAT

Title (fr)

SERRURE MUNIE D'UN DISPOSITIF DE SÉCURITÉ POUR UNE CONSIGNE AUTOMATIQUE, ET CONSIGNE AUTOMATIQUE

Publication

EP 2992153 A1 20160309 (DE)

Application

EP 14733497 A 20140423

Priority

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- AT 2014050101 W 20140423

Abstract (en)

[origin: CA2916534A1] The invention relates to a lock (1) which can be actively released and locked by control technology, particularly for use in automatic storage machines having a plurality of compartments with compartment doors (2) which are to be opened individually, and to an automatic storage machine having at least one such lock (1). The lock (1) comprises a detent pawl (14), which can block a locking element (9), which is permanently connected to a compartment door (2), in the lock such that the compartment door (2) can be held in closed position. The lock further has a first electric drive element (17) which transitions the detent pawl (14) from the blocking position to a release position upon the applying of electrical power, such that the compartment door (2) can be opened. The lock (1) further comprises a security device (32), which prevents an automatic reset of the detent pawl (14) from the release position to the blocking position when the lock (1) is in an unpowered state or the automatic storage machine is in an unpowered state, and an unintentional, accidental or improper locking of a compartment door can thus be avoided. In order to properly lock a compartment door, the security device (32) of the lock (1) comprises a second electric drive element, by means of which the detent pawl (14) can be transitioned back to the blocking position thereof upon the applying of electrical power to said second electric drive element during closing of the compartment door (2).

IPC 8 full level

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CPC (source: EP US)

A47B 81/00 (2013.01 - US); **A47F 10/00** (2013.01 - US); **E05B 17/005** (2013.01 - EP US); **E05B 47/0607** (2013.01 - EP US); **E05B 51/00** (2013.01 - US); **E05B 65/0075** (2013.01 - US); **E05B 65/462** (2013.01 - US); **E05C 3/002** (2013.01 - US); **E05C 19/10** (2013.01 - US); **E05C 19/12** (2013.01 - US); **E05C 21/00** (2013.01 - US); E05B 47/0004 (2013.01 - EP US); E05B 47/023 (2013.01 - US); E05B 63/143 (2013.01 - EP US); E05B 2047/0008 (2013.01 - EP); E05B 2047/0068 (2013.01 - EP); E05B 2047/0069 (2013.01 - EP US); E05B 2047/0072 (2013.01 - US); E05C 3/24 (2013.01 - EP US)

Citation (search report)

See references of WO 2014176619A1

Cited by

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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

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DOCDB simple family (application)

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