Title (en)
METHOD OF MONITORING A LOCK PROVIDING A PAR OF LATCH POSITION SENSORS AND A CORRESPONDING LOCK SYSTEM

Title (de)
VERFAHREN ZUR ÜBERWACHUNG EINER RIEGELPOSITION MITTELS EINES SENSORPAARES UND ENTSPRECHENDES SCHLOSSSYSTEM

Title (fr)
PROCÉDÉ DE SURVEILLANCE DES POSITIONS D'UN PÊNE PAR UNE PAIRE DE DÉTECTEURS ET SYSTÈME DE VERROUILLAGE CORRESPONDANT

Publication
EP 3056638 A1 20160817 (EN)

Application
EP 16155315 A 20160211

Priority
US 201514622200 A 20150213

Abstract (en)
Locks, systems and methods of monitoring a lock, the lock having a hub with a slot rotatable by a handle to open and close a latchbolt. A locking member is moveable into and out of engagement with the hub slot to prevent and permit movement of the hub and latchbolt. A sensor on the lock, adjacent the hub and locking member, monitors a moving lock component. The sensor may sense the position of the locking member in or out of engagement with the hub slot. The sensor may be a reed switch actuated by a magnet on the moving lock component. The lock may further include a magnet mounted on the hub and the sensor may comprise a reed switch capable of being actuated by the magnet on the hub. The lock and system may include an external control unit having an alarm for controlling operation of the lock.

IPC 8 full level
E05B 17/22 (2006.01); E05B 45/06 (2006.01); E05B 45/12 (2006.01)

CPC (source: EP)
E05B 17/22 (2013.01); E05B 45/06 (2013.01); E05B 45/12 (2013.01); E05B 2047/0069 (2013.01); E05B 2047/0092 (2013.01)

Citation (search report)
[X] WO 9966467 A1 19991223 - SARGENT & GREENLEAF [US]

Cited by
DE102018117978A1; US2022251875A1; CN109209047A; CN113700390A; CN115247512A; US10829955B2; WO2020234588A3

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)
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DOCDB simple family (application)
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