

Title (en)

SECURITY SYSTEM WITH ANTI-TAMPERING SENSORS AND CYBERSECURITY

Title (de)

SICHERHEITSSYSTEM MIT MANIPULATIONSSCHUTZSENSOREN UND CYBERSICHERHEIT

Title (fr)

SYSTÈME DE SÉCURITÉ DOTÉ DE CAPTEURS INVOLABLES ET CYBERSÉCURITÉ

Publication

**EP 3371395 A4 20190703 (EN)**

Application

**EP 16863166 A 20161107**

Priority

- US 201562252555 P 20151108
- US 2016060828 W 20161107

Abstract (en)

[origin: WO2017079743A1] The disclosed embodiments include a method for tamper-proof protection of containers used for shipment of goods. The system contains a lock with electronic and mechanical components and a controller. A sensor is connected to a lock so that it forms a closed loop. The sensor can be an optical fiber or a distributed arrangement with an optical or an electrical shield. The electronics in the lock provide real time monitoring of the status of the lock. The lock cannot be opened or reproduced due to the signature of the closed loop which is stored in a remote server. Intrusions detected are relayed to an authorized recipient via a variety of communication channels. The data and control of the entire system is protected with several programs targeted to provide cybersecurity.

IPC 8 full level

**E05B 39/00** (2006.01); **E05B 49/02** (2006.01); **E05B 83/02** (2014.01); **E05B 83/42** (2014.01)

CPC (source: EP KR)

**E05B 39/005** (2013.01 - EP); **E05B 45/005** (2013.01 - EP KR); **E05B 47/0607** (2013.01 - EP KR); **E05B 67/003** (2013.01 - EP KR); **E05B 83/02** (2013.01 - EP); **G08B 13/126** (2013.01 - EP KR); **E05B 2047/0094** (2013.01 - EP KR)

Citation (search report)

- [X] US 2006250235 A1 20061109 - ASTRIN ARTHUR W [US]
- [XY] US 2005212671 A1 20050929 - AUERBACH MICHA [IL], et al
- [XY] US 4688891 A 19870825 - CARRATT MICHEL [FR], et al
- [Y] US 2009115607 A1 20090507 - BEINHOCKER GILBERT D [US]
- [XY] WO 2009019694 A2 20090212 - HI G TEK INC [US], et al
- [X] FR 3011025 A3 20150327 - AXIBLE TECHNOLOGIES [FR]
- [Y] WO 9311513 A1 19930610 - WALKER GRAHAM DARREL [GB]
- See references of WO 2017079743A1

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)

**WO 2017079743 A1 20170511**; CN 108368710 A 20180803; CN 108368710 B 20201030; EP 3371395 A1 20180912; EP 3371395 A4 20190703; KR 102055589 B1 20191213; KR 20180084829 A 20180725

DOCDB simple family (application)

**US 2016060828 W 20161107**; CN 201680072065 A 20161107; EP 16863166 A 20161107; KR 20187015159 A 20161107