Title (en)
METHOD AND SYSTEM FOR IDENTIFYING MANIPULATION OF DATA RECORDS

Title (de)
VERFAHREN UND SYSTEM ZUR ERKENNUNG EINER MANIPULATION VON DATENSÄTZEN

Title (fr)
PROCÉDÉ ET SYSTÈME DE DÉTECTION D'UNE MANIPULATION D'ENREGISTREMENTS DE DONNÉES

Publication
EP 3134845 A1 20170301 (DE)

Application
EP 15723672 A 20150508

Priority
- DE 102014213454 A 20140710
- EP 2015060209 W 20150508

Abstract (en)
[origin: WO2016005075A1] A method for identifying manipulation of data records (LOG1,.., LOGn) in a system comprising a computation apparatus and an external security apparatus, wherein the data records are stored in the computation apparatus, having the method steps of: allocation of a secret to a computation apparatus, generation of a first cryptographic key (K1) by a one-way function (H) on the basis of the secret (SEC), storage of the secret (SEC) on a security apparatus that is different from the computation apparatus, use of the first cryptographic key (K1) for the purpose of protecting a first data record (LOG1), and generation of a respective next cryptographic key (Kn) by the same one-way function (H) on the basis of the respectively preceding cryptographic key (Kn-1) for the purpose of protecting (38) a next data record (LOGn) on the computation apparatus and simultaneous erasure or overwriting of the respectively preceding cryptographic key (Kn-1).

IPC 8 full level
G06F 21/64 (2013.01)

CPC (source: EP US)
G06F 21/64 (2013.01 - EP US); **H04L 9/0643** (2013.01 - US); **H04L 9/0861** (2013.01 - US)

Citation (search report)
See references of WO 2016005075A1

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)
WO 2016005075 A1 20160114; DE 102014213454 A1 20160114; EP 3134845 A1 20170301; US 2017149561 A1 20170525

DOCDB simple family (application)
EP 2015060209 W 20150508; DE 102014213454 A 20140710; EP 15723672 A 20150508; US 201515322351 A 20150508