Title (en)
    SYSTEM AND METHOD FOR SECURELY STORING AND SHARING INFORMATION

Title (de)
    SYSTEM UND VERFAHREN ZUR SICHEREN SPEICHERUNG UND GEMEINSAMEN NUTZUNG VON INFORMATIONEN

Title (fr)
    SYSTÈME ET PROCÉDÉ DE STOCKAGE ET DE PARTAGE D'INFORMATION DE MANIÈRE SÉCURISÉE

Publication
    EP 3219048 A4 20180516 (EN)

Application
    EP 15859389 A 20151109

Priority
    • US 201414539614 A 20141112
    • US 2015059717 W 20151109

Abstract (en)
    [origin: WO2016077219A1] A method for any community of interest to conduct secure exchange of encrypted data using a three-party security mechanism consisting of key masters, registries and cloud lockboxes. The registries establish unique identities, verify authenticity, and create directories of individuals, members, cloud lockboxes and other registries. The registries manage permissions lists communicated to the cloud lockboxes as well as detecting and halting anomalous activity. The key masters operated by members to manage keys for individuals, handle encryption and decryption and conduct key exchanges with other members. The cloud lockboxes manage file storage, retrieval and access control. Related application programming interfaces support multiple levels of integration and generate metadata specific to the needs of the community of interest. Community of interest establishes operating parameters including: selecting an encryption algorithm, establishing identity verification processes and selecting a security level. The design supports several other key features.

IPC 8 full level
    H04L 9/32 (2006.01); **H04L 9/00** (2006.01)

CPC (source: EP)
    H04L 9/006 (2013.01); **H04L 9/32** (2013.01); H04L 2209/88 (2013.01)

Citation (search report)
    • [X] US 2013297662 A1 20131107 - SHARMA RAHUL [US], et al
    • [X] US 2014082749 A1 20140320 - HOLLAND RYAN CHRISTOPHER [US], et al
    • [A] US 2009228950 A1 20090910 - REED DAVID R [US], et al
    • [A] US 2012257759 A1 20121011 - NICK BENJAMIN E [US], et al
    • [A] US 2014046708 A1 20140213 - WERNER BENJAMIN [US]
    • See references of WO 2016077219A1

Cited by
    US11818251B2

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 2016077219 A1 20160519; AU 2015346644 A1 20170629; EP 3219048 A1 20170920; EP 3219048 A4 20180516; IL 252133 A0 20170731

DOCDB simple family (application)
    US 2015059717 W 20151109; AU 2015346644 A 20151109; EP 15859389 A 20151109; IL 25213317 A 20170507