Title (en)

MULTIPLE ENCRYPTION OF A SINGLE DOCUMENT PROVIDING MULTIPLE LEVEL ACCESS PRIVILEGES

Title (de)

MEHRSTUFIGE VERSCHLÜSSELUNG EINES EINZIGEN DOKUMENTES ZUM ERHALTEN VON MEHRSTUFIGEN ZUGRIFFSPRIVILEGIEN

Title (fr)

CRYPTAGE MULTIPLE D'UN DOCUMENT UNIQUE FOURNISSANT DES PRIVILEGES D'ACCES A NIVEAUX MULTIPLES

Publication

EP 1374009 A2 20040102 (EN)

Application

EP 01945301 A 20010622

Priority

- EP 0107090 W 20010622
- US 60633900 A 20000629

Abstract (en)

[origin: WO0201271A1] A method and system for selectively encrypting and decrypting different sections of a document provides different access levels in a technique employing different keys. The documents may be encrypted at a document section level ("section" here used according to its general meaning) and uses a different set of encryption keys for each section. A user A with an access level 1 may access only those section encoded with access level 1 plus unencoded sections. An application example of this technique is in hospitals. A patients records may each be segmented into separately-encrypted portions giving access to nurses for only suitable material while giving broader access to doctors. The nurse would be provided with his/her access level private key to gain access to those parts of the document for which nurses have rights. There could also be a level to which only the primary care physician or health care proxy has access.

IPC 1-7

G06F 1/00

IPC 8 full level

G06F 12/14 (2006.01); **G06F 21/00** (2006.01); **G06F 21/24** (2006.01); **G06F 21/62** (2013.01); **H04L 9/08** (2006.01); **H04L 9/16** (2006.01)

CPC (source: EP KR)

G06F 21/6209 (2013.01 - EP); **H04L 9/30** (2013.01 - KR); G06F 2221/2113 (2013.01 - EP)

Cited by

EP1786196A3; US9843440B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0201271 A1 20020103; **WO 0201271 A3 20031002**; **WO 0201271 A8 20020207**; CN 1471661 A 20040128; EP 1374009 A2 20040102; JP 2004502379 A 20040122; KR 20020041809 A 20020603

DOCDB simple family (application)

EP 0107090 W 20010622; CN 01802543 A 20010622; EP 01945301 A 20010622; JP 2002506149 A 20010622; KR 20027002578 A 20020227