29/05/02
2002035376

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 June 2001 (07.06.2001)

PCT

(10) International Publication Number
WO 01/41360 A3

(51) International Patent Classification[7]: H04L 9/32

(21) International Application Number: PCT/US00/32746

(22) International Filing Date: 1 December 2000 (01.12.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/452,928 2 December 1999 (02.12.1999) US

(71) Applicant *(for all designated States except US)*: **EORIGINAL, INC.** [US/US]; The Warehouse at Camden Yards, South, Suite 800, 351 West Camden Street, Baltimore, MD 21201 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BISBEE, Stephen, F.** [US/US]; 7206 Bellona Avenue, Baltimore, MD 21212 (US). **MOSKOWITZ, Jack, J.** [US/US]; 4623 Autumn Woods Way, Ellicott City, MD 21043 (US). **WHITE, Michael, W.** [US/US]; 1913 Midland Road, Baltimore, MD 21222 (US). **BECKER, Keith, F.** [US/US]; 1212 Swanhill Court, Baltimore, MD 21226 (US). **PETERSON, Ellis, K.** [US/US]; 288 Waycross Way, Arnold, MD 21012 (US).

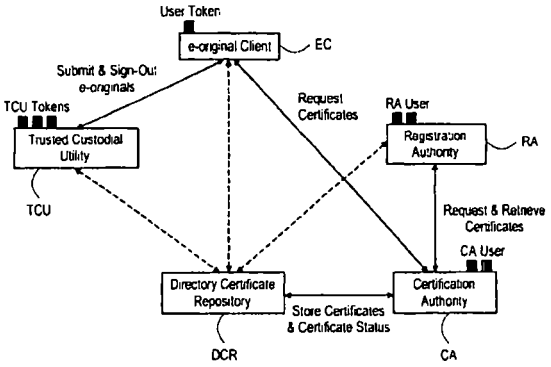
(74) Agents: **WEISBLATT, Eric, W.** et al.; Burns Doane Swecker & Mathis L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR ELECTRONIC STORAGE AND RETRIEVAL OF AUTHENTICATED ORIGINAL DOCUMENTS





162162

(57) Abstract: Digital signatures are not valid indefinitely but only during the validity periods of their authentication certificates. This poses a problem for electronic information objects that are intended to have legal weight for periods longer than the remaining validity period of a signature. There are thus provided methods of handling stored electronic original objects that have been created by signing information objects by respective transfer agents, submitting signed information objects to a trusted custodial utility, and applying to each validated information object a date-time stamp and a digital signature and authentication certificate of the trusted custodial utility. One method includes re-validating an electronic original object by verifying the digital signature of the trusted custodial utility applied to the object and applying to the re-validated object a current date-time stamp and a digital signature and current authentication certificate of the trusted custodial utility. Another method includes creating an object-inventory from at least one stored original object, including an object identifier and a signature block for each object. A time stamp and a signature and certificate of the trusted custodial utility is applied to the object-inventory. Other methods involve handling information objects that are transferable records according to specified business rules, which avoids that copies of the transferable records can be mistaken for originals.

WO 01/41360 A3



ACTION

patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
10 January 2002

(48) Date of publication of this corrected version:
23 May 2002

(15) Information about Correction:
see PCT Gazette No. 21/2002 of 23 May 2002, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.