

Title (en)
APPARATUS, METHOD AND SYSTEM FOR DIRECTORY QUALITY ASSURANCE

Title (de)
VORRICHTUNG, VERFAHREN UND SYSTEM ZUR VERZEICHNISQUALITÄTSICHERSTELLUNG

Title (fr)
DISPOSITIF, PROCEDE ET SYSTEME SERVANT A ASSURER LA QUALITE D'UN REPERTOIRE

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Abstract (en)
[origin: WO02059724A2] An apparatus, method and system to track information access over a communications network. The present disclosure teaches how to associate access credentials with content accesser in a global and persistent manner. Both content and people are registered with a Digital Object Identifier (DOI) handle system. Furthermore, security and other information such as certificates, personal records, encryption keys, and all other objects involved in such transactions may also be registered with a DOI in the handle system and/or may be associated with another DOI as one of the multiple-resolution pointers contained in a DOI record. A right clearinghouse the maintains a rights database associated content rights with content accessers by DOIs. The association of people, i.e., content accessers, with digital object identifiers further ensures that content and accessers may be mapped in a manner allowing for the secure tracking of content access. The present disclosure further teaches that client software may be enabled with a facility to contact clearinghouse upon every access of content items. In one embodiment, no digital rights management is engaged, but rather the use of the content is simply tracked by a rights clearinghouse. Such tracking may be useful to maintain accurate access counts of any given item of content and/or for any given user. In another embodiment, this tracking facility allows a rights clearinghouse to limit access to any content items. As a result, the disclosure facilitates the distribution, access and tracking of a collection of content across a communications network in a more streamlined manner.

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Citation (search report)
• [A] WO 9743717 A1 19971120 - CORP FOR NATIONAL RESEARCH INI [US]
• [A] US 6135646 A 20001024 - KAHN ROBERT E [US], et al
• [X] "IN SEARCH OF THE UNICORN: THE DIGITAL OBJECT IDENTIFIER FROM A USER PERSPECTIVE", BNBFR REPORT, XX, XX, no. 89, February 1998 (1998-02-01), pages 1 - 36, XP002950960
• [X] PASKIN M: "Digital object identifier: implementing a standard digital identifier as the key to effective digital rights management", ANNOUNCEMENT INTERNATIONAL DOI FOUNDATION, XX, XX, April 2000 (2000-04-01), pages 1 - 20, XP002955229
• [X] SIMONSON J ET AL: "Version augmented URIs for reference permanence via an Apache module design", COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, vol. 30, no. 1-7, April 1998 (1998-04-01), pages 337 - 345, XP004121413, ISSN: 0169-7552
• [X] SIMONSON J ET AL: "Content permanence via versioning and fingerprinting", PROCEEDINGS OF THE ACM CONFERENCE ON HYPERTEXT, XX, XX, 30 May 2000 (2000-05-30), pages 226 - 227, XP002228188
• [X] ANONYMOUS: "Chapter 6: Resolution", 17 November 2000, INTERNATIONAL DOI FOUNDATION, HTTP://WWW.DOI.ORG/HB.HTML, XP002316337
• [A] HOFFMA P E ET AL: "URN Resolution Overview", N.A., 21 October 1995 (1995-10-21), XP002287468
• See references of WO 02059797A1

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WO 02059724 A2 20020801; WO 02059724 A3 20021010; WO 02059724 A9 20021212; AU 2002243689 A1 20020806; AU 2002249992 A1 20020806; AU 2002249993 A1 20020806; AU 2002251832 A1 20020806; EP 1358543 A1 20031105; EP 1358543 A4 20050330; EP 1358729 A2 20031105; EP 1358729 A4 20050406; EP 1364277 A2 20031126; EP 1364277 A4 20050330; EP 1364278 A2 20031126; EP 1364278 A4 20090107; EP 1364291 A2 20031126; EP 1364291 A4 20050420; EP 1366438 A1 20031203; EP 1366438 A4 20050420; EP 2053525 A2 20090429; EP 2053525 A3 20090722; EP 2079028 A1 20090715; EP 2085895 A1 20090805; EP 2146290 A1 20100120; JP 2004530183 A 20040930; JP 2004530965 A 20041007; JP 2004532439 A 20041021; JP 2004532538 A 20041021;

JP 2004533030 A 20041028; JP 2004537080 A 20041209; JP 2008016045 A 20080124; JP 2008072710 A 20080327;
JP 2009080829 A 20090416; JP 2009116883 A 20090528; JP 2009199605 A 20090903; JP 3938047 B2 20070627; JP 4166573 B2 20081015;
JP 4366078 B2 20091118; JP 4401074 B2 20100120; JP 4570645 B2 20101027; JP 4620769 B2 20110126; JP 4681643 B2 20110511;
JP 4782215 B2 20110928; WO 02058453 A2 20020801; WO 02058453 A3 20020926; WO 02059739 A1 20020801; WO 02059797 A1 20020801;
WO 02060110 A2 20020801; WO 02060110 A3 20030130; WO 02060112 A2 20020801; WO 02060112 A3 20021017;
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DOCDB simple family (application)

US 0202476 W 20020125; AU 2002243689 A 20020125; AU 2002249992 A 20020125; AU 2002249993 A 20020125;
AU 2002251832 A 20020125; EP 02706002 A 20020125; EP 02709190 A 20020125; EP 02713463 A 20020125; EP 02718881 A 20020125;
EP 02718882 A 20020125; EP 02720861 A 20020125; EP 08165819 A 20020125; EP 08170143 A 20020125; EP 09150228 A 20020125;
EP 09153818 A 20020125; JP 2002558797 A 20020125; JP 2002559787 A 20020125; JP 2002560001 A 20020125; JP 2002560054 A 20020125;
JP 2002560325 A 20020125; JP 2002560327 A 20020125; JP 2007204821 A 20070806; JP 2007230648 A 20070905;
JP 2008291577 A 20081113; JP 2008291579 A 20081113; JP 2009099379 A 20090415; US 0202175 W 20020125; US 0202321 W 20020125;
US 0202322 W 20020125; US 0202474 W 20020125; US 0202475 W 20020125