



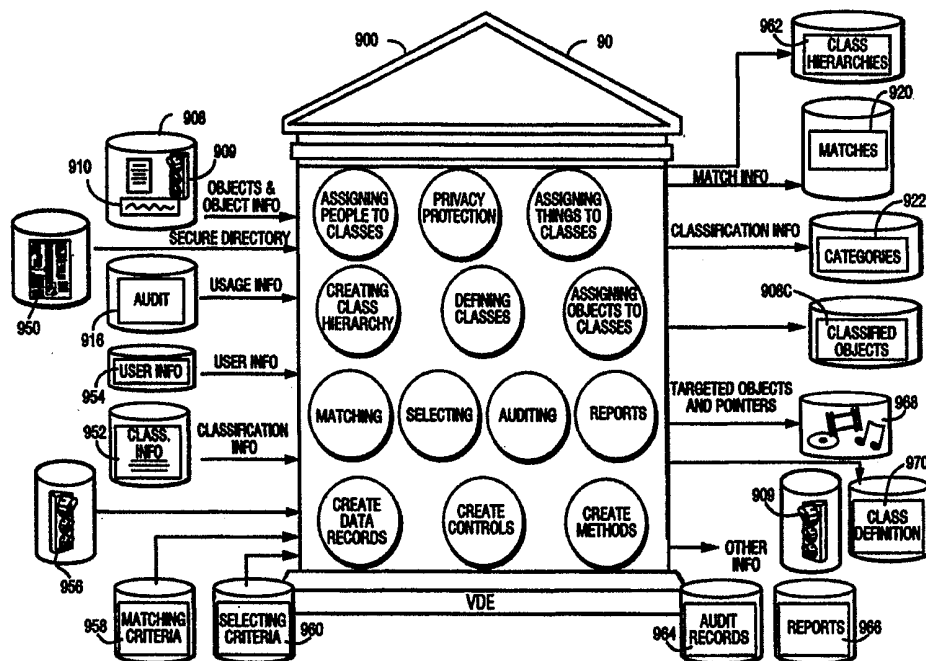
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : G06F 17/60, 1/00</p>	<p>A3</p>	<p>(11) International Publication Number: WO 99/24928 (43) International Publication Date: 20 May 1999 (20.05.99)</p>
<p>(21) International Application Number: PCT/US98/23648 (22) International Filing Date: 6 November 1998 (06.11.98) (30) Priority Data: 08/965,185 6 November 1997 (06.11.97) US (71) Applicant: INTERTRUST TECHNOLOGIES CORP. [US/US]; 460 Oakmead Parkway, Sunnyvale, CA 94086 (US). (72) Inventors: SHEAR, Victor, H.; 5203 Battery Lane, Bethesda, MD 20705 (US). VAN WIE, David, M.; Apartment 216, 965 East El Camino Real, Sunnyvale, CA 94087 (US). WEBER, Robert, P.; 215 Waverley Street #4, Menlo Park, CA 94025 (US). (74) Agent: FARIS, Robert, W.; Nixon & Vanderhye P.C., 8th floor, 1100 N. Glebe Road, Arlington, VA 22201 (US).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 21 October 1999 (21.10.99)</p>

(54) Title: SYSTEMS AND METHODS FOR MATCHING, SELECTING, NARROWCASTING, AND/OR CLASSIFYING BASED ON RIGHTS MANAGEMENT AND/OR OTHER INFORMATION

(57) Abstract

Rights management information is used at least in part in a matching, narrowcasting, classifying and/or selecting process. A matching and classification utility system comprising a kind of Commerce Utility System is used to perform the matching, narrowcasting, classifying and/or selecting. The matching and classification utility system may match, narrowcast, classify and/or select people and/or things, non-limiting examples of which include software objects. The Matching and Classification Utility system may use any pre-existing classification schemes, including at least some rights management information and/or other qualitative and/or parameter data indicating



and/or defining classes, classification systems, class hierarchies, category schemes, class assignments, category assignments, and/or class membership. The Matching and Classification Utility may also use at least some rights management information together with any artificial intelligence, expert system, statistical, computational, manual, or any other means to define new classes, class hierarchies, classification systems, category schemes, and/or assign persons, things, and/or groups of persons and/or things to at least one class.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/23648

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 G06F17/60 G06F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 6 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 96 24092 A (BENSON GREG ;URICH GREGORY H (SE)) 8 August 1996 (1996-08-08) page 2, line 23 - line 37 page 5, line 4 - page 7, line 29 page 17, line 22 - page 18, line 9 page 31, line 1 - page 32, line 14 ---	1-62, 68-79, 84-95, 125-128
X	EP 0 370 146 A (STRATEGIC PROCESSING CORP) 30 May 1990 (1990-05-30) abstract; figure 2 column 10, line 3 - column 13, line 21 column 16, line 6 - column 20, line 44 -----	1-62, 68-79, 84-95, 125-128

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

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- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

20 April 1999

Date of mailing of the international search report

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Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 98/23648

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-62, 68-79, 84-86, 88-95, 125-128

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/US 98/23648

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-62, 68-79, 84-86, 88-95,125-128

A system and method for classifying, assigning, matching and selecting persons and/or things based at least in part on rights management information.

2. Claims: 63-67

A method for conducting a chain of handling and/or control. Special technical feature not found in document 1 is the method of allowing plural parties to contribute rules and/or consequences which solves the problem of setting up the classification requirement structure.

3. Claims: 80-83

A currency/debt trading system and a financial institution selection system, which although includes a classification step, pertains to the problem of currency trading which includes special technical features that are unrelated to those of subjects 1 and 2.

4. Claims: 96-97

A health care computer which issues class based digital credentials and/or certificates, which although includes a step of classifying, involves special technical features related to the problem of hospital security and safety.

5. Claims: 98-100

A work process automation system, including a classification step, also includes special technical features such as matching tasks to resources for solving the problem of efficiency in the workplace.

6. Claims: 101-104

An automatic government and/or societal rights supporting system and automatic taxing authority which includes classification and matching but further includes assigning status and rights to groups of people based upon their class hierarchy, which solves problems associated with government and revenue collection.

7. Claims: 105-116

A method for adaptively presenting information using class based controls the special technical features of which solve

INTERNATIONAL SEARCH REPORT

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

the problem associated with direct marketing and/ or advertising.

8. Claims: 117-124

An information search mechanism and information handling method which includes matching based upon classification, but also includes the special technical feature of responding to user requests to search for information which solves the problem associated with sifting through the abundance of information available on the Internet and World Wide Web.

9. Claims: 129-132

An electronic gambling system which classifies and matches gamblers with gambling providers the special technical features of which solve the problems sorting out different games, rules, odds and payoff systems.

10. Claims: 133-135

An electronic ticketing system which matches recipients to tickets for events based upon classification, the special technical features of which solve the problem of optimizing the entertainment value of an event based upon a user's tastes and preferences.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US 98/23648

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9624092 A	08-08-1996	SE 504085 C	04-11-1996
		AU 4681496 A	21-08-1996
		EP 0807283 A	19-11-1997
		JP 10513289 T	15-12-1998
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