

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 March 2003 (27.03.2003)

PCT

(10) International Publication Number
WO 2003/025718 A3

(51) International Patent Classification⁷: G06F 1/00, 21/00, H04L 29/06

(21) International Application Number: PCT/GB2002/004228

(22) International Filing Date: 17 September 2002 (17.09.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/323,159 18 September 2001 (18.09.2001) US

(71) Applicant: DATA TREASURY CORPORATION [US/US]; 175 Pinelawn Road, Suite 200, Melville, NY 11747 (US).

(71) Applicant (for MN only): MAGGS, Michael, Norman [GB/GB]; Kiburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(72) Inventors: BALLARD, Claudio R; 16 West Neck Court Lloyd Harbor, New York, NY 11743 (US). PATHAK, Amrish; 7 Apple Blossom lane, East Patchogue, New

York, NY 11772 (US). IMBRANCE, Michael T; 291 East Woodside Avenue, East Patchogue, New York, NY 11772 (US). CURRIE, Edward H; 6-57 158 Street, Whitestone, New York, NY 11357 (US). CASSATA, James; 673 Meadow Road, Smithtown, New York, 11787 (US).

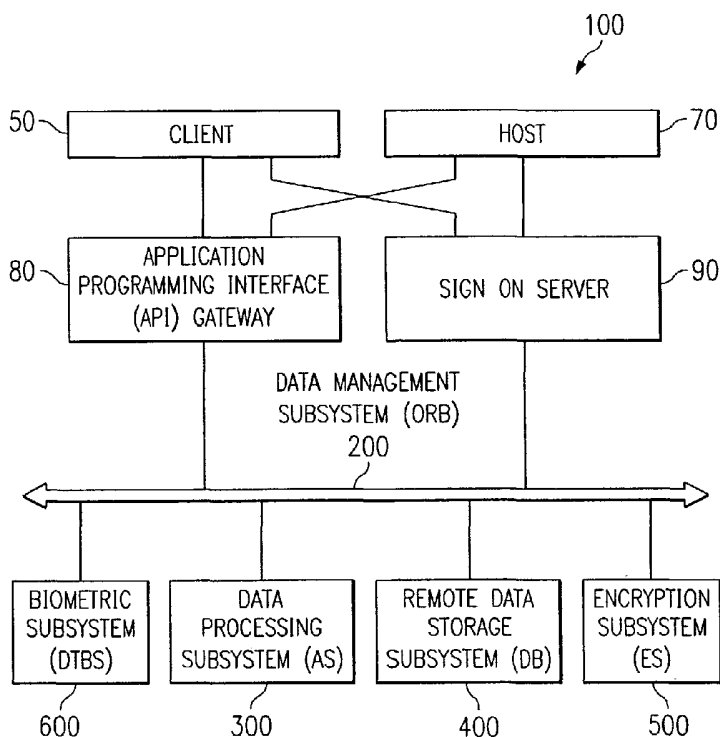
(74) Agents: MAGGS, Michael, Norman_ et al.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: PRIVATE SECURE INFORMATION REPOSITORY WITH BIOMETRIC AUTHENTICATION



(57) Abstract: A system for remote data acquisition and private and secure and authenticated, centralized processing and storage is disclosed called the DataTreasury™ Repository System. The DataTreasury™ Repository System provides a secure system for the storage and retrieval of data comprising personal information, financial information, and general information. The identity of the users are held private through the use of a biometric as the sole personal identifier. The system acquires transactional data at least one remote locations, encrypts the data, transmits the encrypted data to a central location, transforms the data to a usable form, performs identification verification using biometric data, generates informative reports from the data and transmits the informative reports to the remote location(s), while maintaining privacy, security, and authenticity of the user's data and biometric. To ensure the complete security of the system, all data is re-encrypted while in storage, or when it is in a state of nonuse.

WO 2003/025718 A3



Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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.

(88) Date of publication of the international search report:

24 June 2004

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 02/04228

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F1/00 G06F21/00 H04L29/06		
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 7 G06F H04L		
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) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/11750 A (SUBBIAH SUBRAMANIAN ; LI YANG (US); RAO D RAMESK K (US)) 19 March 1998 (1998-03-19) abstract claims 1,9,25,39,40,44; figures 1,2,4 ---	1,2,45
X	US 5 838 812 A (PARE JR DAVID FERRIN ET AL) 17 November 1998 (1998-11-17) abstract; claims 1,14,16; examples 1-3 ---	1,2,45
X	GB 2 354 612 A (NIPPON ELECTRIC CO) 28 March 2001 (2001-03-28) abstract; figures 4,3 ---	1,2,45
P,X	EP 1 139 301 A (MATSUSHITA ELECTRIC IND CO LTD) 4 October 2001 (2001-10-04) paragraphs '0017!'-'0033!','0054!'-'0060!; figures 2,3 --- -/--	1,2,45
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		
<input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents :		
A document defining the general state of the art which is not considered to be of particular relevance *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. *&* document member of the same patent family		
Date of the actual completion of the international search 7 April 2004		Date of mailing of the international search report 19/04/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Beker, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 02/04228

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02/095552 A (IMPRIVATA INC) 28 November 2002 (2002-11-28) abstract; figures 1,3,5 ---	1,2,45
E	US 2002/174344 A1 (TING DAVID M T) 21 November 2002 (2002-11-21) paragraphs '0025!-'0036!; figures 1,2 -----	1,2,45

Continuation of Box I.2

Claims Nos.: 3-44,46-74

It was possible to search the claims 1,2,45 and find documents, namely the ones listed herein above, which relate to the subject claimed therein.

In fact, D1 = WO 98/11750, at the references in parentheses and in particular in its claims, discloses all the claimed features of those claims:

A system (Fig. 1) to provide a centralized, secured and authenticated storage of information comprising (claims 26 and 27 of D1):

- a) at least one client subsystem(102) to receive and send transactional data(claim 31, 39 items (a)) comprising:
 - i) at least one biometric processing client subsystem for capturing biometric data (101)
 - ii) at least one data capturing device(Fig, 4, 411) to capture any and all types of additional data;
- b) at least one remote data management subsystem (103) for managing the processing sending receiving, and storing of the transactional data (claim 39 item (a));
- c) at least one remote data storage subsystem to store any and all transactional data(Fig. 2, 107);
- d) at least one data processing subsystem for processing all transactional data, with the client subsystem providing encrypted subsystem identification information and encrypted transactional data to the data processing subsystem(claims 25, 44)
- e) at least one biometric subsystem to verify the user's identity(claim 25) and at least one encryption subsystem for ensuring the security of the transactional data; (claim 9) and
- f) at least one communication network (claim 9) for secure transmission of transactional data within and between said at least one client subsystem(102), and said at least one data management subsystem(103), wherein said at least one client subsystem further comprise at least one biometric device for capturing biometric data (Fig. 417).

However, the multitude of variations, modifications and combinations of these variations and modifications expressed in the multitude of dependent and independent claims renders the claims in their entirety so unclear and lacking conciseness, contrary to Art. 6 PCT, that a meaningful, complete search was not possible. Moreover, the description provides no unambiguous indication allowing to anticipate to which of this uncountable multitude of potential inventions the application might be directed to after amendment.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International

Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB 02/04228

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.: 3-44, 46-74
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:
see FURTHER INFORMATION sheet PCT/ISA/210

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.:

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/GB 02/04228

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9811750	A	19-03-1998	US 6219793 B1	17-04-2001
			AU 4341797 A	02-04-1998
			EP 0931430 A2	28-07-1999
			WO 9811750 A2	19-03-1998

US 5838812	A	17-11-1998	US 5613012 A	18-03-1997
			US 5615277 A	25-03-1997
			AT 254315 T	15-11-2003
			AU 5922696 A	29-11-1996
			BR 9608580 A	05-01-1999
			CA 2221321 A1	21-11-1996
			CN 1191027 A	19-08-1998
			DE 69630713 D1	18-12-2003
			DK 912959 T3	15-03-2004
			EP 0912959 A1	06-05-1999
			JP 11511882 T	12-10-1999
			WO 9636934 A1	21-11-1996
			US 2002174067 A1	21-11-2002
			US 2002111917 A1	15-08-2002
			US 6366682 B1	02-04-2002
			US 6269348 B1	31-07-2001
			US 6230148 B1	08-05-2001
			US 2003105725 A1	05-06-2003
			US 6192142 B1	20-02-2001
			US 6012039 A	04-01-2000
			US 6154879 A	28-11-2000
			US 6397198 B1	28-05-2002
			US 2004020982 A1	05-02-2004
			US 5870723 A	09-02-1999
			US 5764789 A	09-06-1998
			US 2001000535 A1	26-04-2001
			US 5802199 A	01-09-1998
US 5805719 A	08-09-1998			
US 2001029493 A1	11-10-2001			
US 2001039533 A1	08-11-2001			

GB 2354612	A	28-03-2001	JP 2000353204 A	19-12-2000
			AU 3941200 A	14-12-2000
			CN 1277400 A	20-12-2000
			TW 476038 B	11-02-2002

EP 1139301	A	04-10-2001	JP 2001273498 A	05-10-2001
			CN 1328309 A	26-12-2001
			EP 1139301 A2	04-10-2001
			US 2001026632 A1	04-10-2001

WO 02095552	A	28-11-2002	WO 02095552 A2	28-11-2002
			WO 02095553 A2	28-11-2002
			WO 02095554 A2	28-11-2002
			WO 02095054 A2	28-11-2002
			US 2002174344 A1	21-11-2002
			US 2002174346 A1	21-11-2002
			US 2002174347 A1	21-11-2002
			US 2002174348 A1	21-11-2002

US 2002174344	A1	21-11-2002	WO 02095552 A2	28-11-2002
			WO 02095553 A2	28-11-2002
			WO 02095554 A2	28-11-2002

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB-02/04228

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002174344	A1	WO 02095054 A2	28-11-2002
		US 2002174346 A1	21-11-2002
		US 2002174347 A1	21-11-2002
		US 2002174348 A1	21-11-2002
