(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 4 October 2001 (04.10.2001)

PCT

(10) International Publication Number WO 01/073709 A3

(51) International Patent Classification⁷: **G07F 19/00**, G06F 17/60, G07F 17/42

(21) International Application Number: PCT/US01/10648

(22) International Filing Date: 28 March 2001 (28.03.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/193,139 29 March 2000 (29.03.2000) US

(71) Applicant (for all designated States except US): CMA BUSINESS CREDIT SERVICES [US/US]; 40 East Verdugo Avenue, Burbank, CA 91502 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): OKAMOTO, Steve, Atsushi [US/US]; 5512 Calle de Arboles, Torrance, CA

90505 (US). SCHATTMAIER, Steven, Miller [US/US]; 3 Winterhaven, Irvine, CA 92614 (US). VON KAENEL, Tim [US/US]; 12 Lake View Drive, Coto de Caza, CA 92679 (US). ZEILE, Mike, Todd [US/US]; 27627 Harwick Place, Valencia, CA 91354 (US). St. AMOUR, Frederick, C. [US/US]; 34081 Formosa Drive, Dana Point, CA 92629 (US).

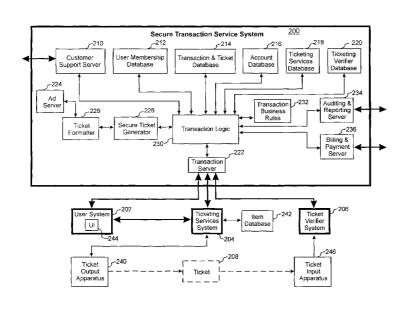
(74) Agents: NIXON, Dale, B. et al.; Sidley Austin Brown & Wood, Suite 3400, 717 N. Harwood, Dallas, TX 75201-6507 (US).

(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, 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: METHOD AND APPARATUS FOR PROCESSING ONE OR MORE VALUE BEARING INSTRUMENTS



(57) Abstract: Α computer-implemented system provides secure distribution of value-bearing instruments, such as coupons, tickets, gift certificates, money orders and traveler's checks. The distribution system involves three parties which are the consumer of the instrument, the supplier of the instrument and a security party which is referred to as a secure transaction service. The consumer registers with the secure transaction service for identity verification either before or after a transaction is initiated with the supplier of products or services. Verification of the consumer's identity can be established at any required level. In one aspect of the system, the supplier provides the consumer with a confirmation token which the consumer must then provide to the secure transaction service together with identification information of the

consumer, so that only the valid consumer can complete the transaction. By use of the confirmation token, the secure transaction service can obtain information, through either data pulling or pushing, from the product or service supplier. In certain cases, the secure transaction service generates the required product in an electronic form and securely transmits it to the validated consumer. Digital signatures can be used throughout the process to assure the integrity of the data and the identity of the sender. Other aspects of the system include the maintenance of funds for payment, multiple methods for verification of products which are issued and then validated at a verification site, as well as methods for reissuing, exchanging and forwarding value bearing instruments for original and third party users.

VO 01/073709 A3



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
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 28 August 2003

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.

INTERNATIONAL SEARCH REPORT

ilcation No Internation PCT/US 01/10648

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G07F19/00 G06F17/60 G07F17/42

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

B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ \text{IPC 7} & \text{G07F} \end{array}$

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, WPI Data

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 40809 A (CHA TECHNOLOGIES) 17 September 1998 (1998-09-17)	3,4					
Α	abstract; claims; figures page 14, line 17 -page 17, line 26	1,2,5,8					
A	WO 99 23617 A (G. KREMER) 14 May 1999 (1999-05-14) abstract; claims; figures 12,13 page 36, line 1 -page 41, line 19	1-10					

*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	To 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 16 June 2003	Date of mailing of the international search report 25/06/2003
16 Julie 2003	25/00/2003
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 David, J

INTERNATIONAL SEARCH REPORT

Internatio lication No
PCT/US U1/10648

	PC1/US 01/10648		
	Relevant to claim No.		
Chanon of document, with indication, where appropriate, of the relevant passages	Delevant to Claim 140.		
PAYS P ET AL: "An intermediation and payment system technology" COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, vol. 28, no. 11, 1 May 1996 (1996-05-01), pages 1197-1206, XP004018220 ISSN: 0169-7552 page 1201, paragraph 3.2 -page 1204, paragraph 3.3.5; figures 1,4-6	1-10		
WO 96 00485 A (TELEFONAKTIEBOLAGET LM ERICSSON) 4 January 1996 (1996-01-04) abstract; claims; figures page 9, line 1 -page 12, line 20	1-10		
EP 0 813 325 A (AT &T) 17 December 1997 (1997-12-17)			
US 6 026 166 A (J.H. LEBOURGEOIS) 15 February 2000 (2000-02-15)			
US 5 757 917 A (M.T. ROSE) 26 May 1998 (1998-05-26)			
	PAYS P ET AL: "An intermediation and payment system technology" COMPUTER NETWORKS AND ISDN SYSTEMS, NORTH HOLLAND PUBLISHING. AMSTERDAM, NL, vol. 28, no. 11, 1 May 1996 (1996-05-01), pages 1197-1206, XP004018220 ISSN: 0169-7552 page 1201, paragraph 3.2 -page 1204, paragraph 3.3.5; figures 1,4-6 WO 96 00485 A (TELEFONAKTIEBOLAGET LM ERICSSON) 4 January 1996 (1996-01-04) abstract; claims; figures page 9, line 1 -page 12, line 20 EP 0 813 325 A (AT &T) 17 December 1997 (1997-12-17) US 6 026 166 A (J.H. LEBOURGEOIS) 15 February 2000 (2000-02-15) US 5 757 917 A (M.T. ROSE)		

INTERNATIONAL SEARCH REPORT

intornation on patent tamily members

Internation Ilication No
PCT/US 11/10648

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
W0 9840809	A	17-09-1998	US	5903721 A	11-05-1999
			AU	6549498 A	29-09-1998
			BR	9809045 A	22-01-2002
			DE	1008022 T1	25-01-2001
		•	EA	1825 B1	27-08-2001
			EP	1008022 A2	14-06-2000
			ES	2150892 T1	16-12-2000
			JP	2001518212 T	09-10-2001
			NO	994428 A	09-11-1999
			WO	9840809 A2	17-09-1998
				9040009 AZ	17-09-1990
WO 9923617	Α	14-05-1999	FR	2771875 A1	04-06-1999
			AU	1158899 A	24-05-1999
			EP	1104921 A2	06-06-2001
			EP	1103935 A2	30-05-2001
			EP	1107203 A2	13-06-2001
			EP	1050025 A2	08-11-2000
			WO	9923617 A2	14-05-1999
WO 9600485	Α	04-01-1996	us Us	5668876 A	16-09-1997
			ΑU	692881 B2	18-06-1998
			ΑÜ	2688795 A	19-01-1996
			CA	2193819 A1	04-01-1996
			CN	1156531 A ,B	06-08-1997
			EP	0766902 A2	09-04-1997
			FI	965161 A	13-02-1997
			JP	10502195 T	24-02-1998
			WO	9600485 A2	04-01-1996
EP 0813325	 А	 17-12-1997	 US	5778173 A	 07-07-1998
Li 0013323	n	11 12 1991	CA	2205124 A1	12-12-1997
			EP	0813325 A2	17-12-1997
			JP	10149397 A	02-06-1998
					
US 6026166	Α	15-02-2000	AU	1105599 A	10-05-1999
			CA	2306865 A1	29-04-1999
			EP	1033010 A1	06-09-2000
			JP	2001521329 T	06-11-2001
			WO	9921321 A1	29-04-1999
US 5757917	Α	26-05-1998	AU	720433 B2	01-06-2000
			AU	7551596 A	22-05-1997
			EP	0858697 A1	19-08-1998
			JP	11514763 T	14-12-1999
			WO	9716897 A1	09-05-1997