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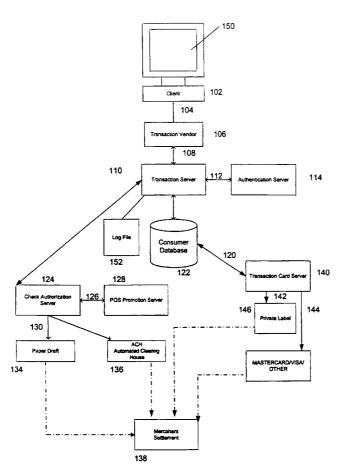
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#### (54) Title: SYSTEM AND METHOD FOR SECURE NETWORK TRANSACTIONS



(57) Abstract: A comprehensive payment and security architecture presents an Internet or other consumer with the ability to pay for network transactions using authenticated check or other cash account, debit account, credit account and other payment options. A transaction server may authenticate the consumer's identity and verify the amount and type of payment, including to determine whether the transaction may be processed using the Automated Clearing House (ACH) system. Varying degrees in authentication score may result in the presentation of different payment options. Signatureless paper drafts may be generated for check-based transactions, depending on participating bank and other variables. Payment flexibility and transaction security are enhanced.

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G07F19/00 G06F G07F7/10 G06F17/60 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) G07F IPC 7 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) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ US 5 850 446 A (MADAPURMATH VILAS I ET 1,2,7,8 AL) 15 December 1998 (1998-12-15) Α 28 column 15, line 16 -column 19, line 63 figures 29,31,35 US 5 732 400 A (BATTENFELDER ROBERT R ET Α 1,7,8, AL) 24 March 1998 (1998-03-24) 21,22,28 column 5, line 54 -column 8, line 18 Α US 5 873 072 A (KIGHT PETER J ET AL) 1-4, 16 February 1999 (1999-02-16) 7-10,21, 28 column 2, line 53 -column 4, line 19 column 5, line 25 -column 6, line 29 -/-χ Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents \*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 "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) "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 docu-\*O\* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but \*&\* document member of the same patent family later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 26 November 2001 03/12/2001 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °		Relevant to claim No.		
	Citation of document, with indication, where appropriate, of the relevant passages  US 5 724 424 A (GIFFORD DAVID K) 3 March 1998 (1998–03–03) column 5, line 49 -column 7, line 10 figures 1,4,6,7,13,16 claims 1,4	Relevant to claim No.  1,2,5,7, 8		

### **INTERNATIONAL SEARCH REPORT**

information on patent family members

Inte \*ional Application No PCT/US 01/13814

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5850446	Α .	15-12-1998	AU	3396397 A	07-01-1998
			ΑU	3401097 A	07-01-1998
			EP	0914736 A2	12-05-1999
			WO	9749069 A2	24-12-1997
			WO	9749070 A2	24-12-1997
US 5732400	 А	24-03-1998	 АЏ	4854796 A	24-07-1996
			EP	0804772 A1	05-11-1997
			WO	9621192 A1	11-07-1996
US 5873072		16-02-1999	US	5383113 A	17-01-1995
			ΑU	2428592 A	23-02-1993
			WO	9302422 A1	04-02-1993
US 5724424	Α	03-03-1998	US	6205437 B1	20-03-2001
			US	6195649 B1	27-02-2001
			US	6199051 B1	06-03-2001
			US	60 <b>4</b> 9785 A	11-04-2000
			US	2001037467 A1	01-11-2001
			EP	0734556 A1	02-10-1996
			JP	11096243 A	09-04-1999
			JP	3190881 B2	23-07-2001
			JP	10312433 A	24-11-1998
			JP	3190882 B2	23-07-2001
			JP	10312434 A	24-11-1998
			JP	9500470 T	14-01-1997
			WO	9516971 A1	22-06-1995