(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 6 July 2000 (06.07.2000)

PCT

(10) International Publication Number WO 00/39723 A3

(51) International Patent Classification⁷: G06F 17/60

(21) International Application Number: PCT/US99/27709

(22) International Filing Date:

22 November 1999 (22.11.1999)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09/221,457

28 December 1998 (28.12.1998) US

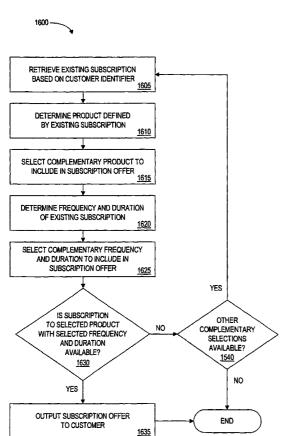
- (71) Applicant (for all designated States except US): WALKER DIGITAL LLC [US/US]; One High Ridge Park, Stamford, CT 06905 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WALKER, Jay, S. [US/US]; 124 Spectacle Lane, Ridgefield, CN 06877 (US).

VAN LUCHENE, Andrew, S. [US/US]; 9 Greenwood Place, Norwalk, CT 06854 (US). O'SHEA, Deirdre [US/US]; Apartment 2A, 10 Manhattan Avenue, New York, NY 10025 (US).

- (74) Agents: SANTISI, Steven, M. et al.; Walker Digital Corporation, Intellectual Property Dept., One High Ridge Park, Stamford, CT 06905 (US).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR DETERMINING A SUBSCRIPTION TO A PRODUCT IN A RETAIL ENVIRONMENT



(57) Abstract: A method and apparatus for managing a subscription to a product in a retail environment, wherein the product for which a subscription is offered is selected based on the customer's historical purchases. The subscription defines a price for the selected product, wherein the subscription price is lower than the retail price of the product. The subscription specifies conditions which the customer has to meet in order to remain entitled to receive the subscription price for purchases of the product. Such conditions typically include a required frequency of purchases for a required period of time. The conditions of the subscription are selected so as to maximize the customer's visits to the business offering the subscription without unnecessarily eroding the profits of the business.



(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:

- 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: 21 December 2000

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

sternational Application No PCT/US 99/27709

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 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) $IPC \ 7 \ G06F$

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, INSPEC, PAJ, IBM-TDB

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(US 5 644 723 A (DEATON DAVID W ET AL) 1 July 1997 (1997-07-01)	1,8-10, 12, 23-25, 28-32, 35,36, 57,58, 61,62
	abstract column 12, paragraph 1.3 column 70, line 44 -column 71, line 29 column 85, line 38 - line 60 column 94, line 54 - line 67 column 104, line 29 - line 33 figures 2A,15A,15B	
	-/	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
"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	Date of mailing of the international search report			
10 October 2000	18/10/2000			
Name and mailing address of the ISA	* Authorized officer			
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijewijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Nicoli, F			

2

INTERNATIONAL SEARCH REPORT

ternational Application No PCT/US 99/27709

•	tion) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Χ	WO 97 23838 A (CATALINA MARKETING INT; SCROGGIE MICHAEL C (US); KACABA MICHAEL E) 3 July 1997 (1997-07-03)	30-32, 58,62		
A	abstract page 6, line 13 - line 24 page 19, line 14 -page 20, line 14 figure 1	1,57,61		
A	WO 98 28699 A (MERIDIAN ENTERPRISES INC) 2 July 1998 (1998-07-02) abstract page 10, line 2 -page 11, line 10	1,30,57, 58,61,62		
Α	US 5 297 026 A (HOFFMAN FRANK) 22 March 1994 (1994-03-22) abstract column 1, line 65 -column 3, line 45 figure 3	1,30,57, 58,61,62		

INTERNATIONAL SEARCH REPORT

Information on patent family members

ternational Application No PCT/US 99/27709

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	5644723	Α	01-07-1997	US	5621812 A	15-04-1997
				US	5642485 A	24-06-1997
				AU	7402294 A	20-02-1995
				EP	0711434 A	15-05-1996
				WO	9503570 A	02-02-1995
				US	5649114 A	15-07-1997
				US	5687322 A	11-11-1997
				US	5638 4 57 A	10-06-1997
				US	5675662 A	07-10-1997
				US	5327508 A	05-07-1994
				US	5388165 A	07-02-1995
				US	5448471 A	05-09-1995
				US	5592560 A	07-01-1997
				US	5430644 A	04-07-1995
				US	5659469 A	19-08-1997
				US	5237620 A	17-08-1993
				US	5305196 A	19-04-1994
				US	5201010 A	06-04-1993
WO	9723838	Α	03-07-1997	US	5970469 A	19-10-1999
				AU	1344597 A	17-07-1997
				EP	0870264 A	14-10-1998
				JP	11506859 T	15-06-1999
				US	6014634 A	11-01-2000
WO	9828699	A	02-07-1998	AU	3497397 A	17-07-1998
				CA	2210218 A	24-06-1998
US	5297026	A	22-03-1994	AU	670775 B	01-08-1996
				AU	3424593 A	28-07-1993
				EP	0619902 A	19-10-1994
				FI	943172 A	01-07-1994
				NO	942501 A	31-08-1994
				WO	9313488 A	08-07-1993