



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup> :</b>  <b>G06F 17/60, H04K 1/02</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 98/43149</b>  <b>(43) International Publication Date:</b> 1 October 1998 (01.10.98)																							
<b>(21) International Application Number:</b> PCT/US98/05787  <b>(22) International Filing Date:</b> 20 March 1998 (20.03.98)  <b>(30) Priority Data:</b> <table border="0"> <tr><td>08/822,709</td><td>21 March 1997 (21.03.97)</td><td>US</td></tr> <tr><td>08/841,791</td><td>5 May 1997 (05.05.97)</td><td>US</td></tr> <tr><td>08/920,116</td><td>26 August 1997 (26.08.97)</td><td>US</td></tr> <tr><td>09/045,386</td><td>20 March 1998 (20.03.98)</td><td>US</td></tr> <tr><td>09/045,036</td><td>20 March 1998 (20.03.98)</td><td>US</td></tr> <tr><td>09/045,347</td><td>20 March 1998 (20.03.98)</td><td>US</td></tr> <tr><td>09/045,518</td><td>20 March 1998 (20.03.98)</td><td>US</td></tr> <tr><td>09/045,084</td><td>20 March 1998 (20.03.98)</td><td>US</td></tr> </table> <b>(71) Applicant:</b> WALKER ASSET MANAGEMENT LIMITED PARTNERSHIP [US/US]; Four High Ridge Park, Stamford, CT 06905-1325 (US).  <b>(72) Inventors:</b> WALKER, Jay, S.; 124 Spectacle Lane, Ridgefield, CT 06877 (US). VAN LUCHENE, Andrew, S.; 13-2a Clarmore Drive, Norwalk, CT 06850 (US). JORASCH, James, A.; Apartment 5G, 25 Forest Street, Stamford, CT 06901 (US). JINDAL, Sanjay, K.; 52 Village Walk, Wilton, CT 06987 (US). ALDERUCCI, Dean, A.; 19-8 Prospect Ridge Road, Ridgefield, CT 06877 (US).	08/822,709	21 March 1997 (21.03.97)	US	08/841,791	5 May 1997 (05.05.97)	US	08/920,116	26 August 1997 (26.08.97)	US	09/045,386	20 March 1998 (20.03.98)	US	09/045,036	20 March 1998 (20.03.98)	US	09/045,347	20 March 1998 (20.03.98)	US	09/045,518	20 March 1998 (20.03.98)	US	09/045,084	20 March 1998 (20.03.98)	US	<b>(74) Agents:</b> ALDERUCCI, Dean et al.; Walker Digital Corporation, Intellectual Property Dept., Five High Ridge Park, Stamford, CT 06905-1326 (US).  <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, 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, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <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>  <b>(88) Date of publication of the international search report:</b> 1 July 1999 (01.07.99)
08/822,709	21 March 1997 (21.03.97)	US																							
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09/045,084	20 March 1998 (20.03.98)	US																							
<b>(54) Title:</b> METHOD AND SYSTEM FOR PROCESSING SUPPLEMENTARY PRODUCT SALES AT A POINT-OF-SALE TERMINAL																									
<b>(57) Abstract</b>  A POS terminal determines an upsell to offer in exchange for the change due to a customer in connection with a purchase. The point-of-sale terminal preferably maintains a database of at least one upsell price and a corresponding upsell to offer a customer in exchange for the change due to him. If the customer accepts the upsell, the cashier so indicates by pressing a selection button on the POS terminal. The required payment amount for the customer to pay is then set equal to the rounded price, rather than the purchase price. Thus, the customer receives the upsell in exchange for the coins due to him, and the coins need not be exchanged between the customer and the POS terminal.																									

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INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US98/05787

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(6) : G06F 17/60; H04K 1/02  
 US CL : 705/14,16; 380/9  
 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)  
 U.S. : US: 705/14,16; 380/9

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 practicable, 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	US 4,993,714 A (GOLIGHTLY) 19 FEBRUARY 1991, the whole document, teaching lotto and merchandize POS.	1-49
X -- Y	WINN-DIXIE/THE SALVATION ARMY REPORT ... ETC, FINANCIAL NEWS, 10 JUNE 1993, the whole document.	49-228, 265-284, 321-344, 363-370 ----- 309,310,361,362
X	SAVE THE MARK, FINANCIAL TIMES, 01 FEBRUARY 1983, the whole document	229-264
X -- Y	JONES, JEANNE. DATA READERS STREAMLINE MANAGEMENT ... ETC, The Houston Post, 26 JUNE 1994, the whole document.	285-308, 311-320, 345-360 ----- 309,310,361,362

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*O* document referring to an oral disclosure, use, exhibition or other means	
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Date of the actual completion of the international search 27 APRIL 1999	Date of mailing of the international search report 12 MAY 1999
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer Hrayr A. Sayadian <i>Joni Hill</i> Telephone No. (703) 306-4169

**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US98/05787

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,902,880 A (GARCZYNSKI et al.) 20 FEBRUARY 1990, the whole document, teaching the use of authentication codes to authenticate the winning lotto ticket.	4,12,14,21,23,31,45
A	US 5,371,796 A (AVARNE) 06 DECEMBER 1994, the whole document, teaching the use of encrypted authentication codes to protect against altering of the authentication code.	4,12,14,21,23,31,45