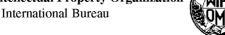
# (19) World Intellectual Property Organization





### (43) International Publication Date 2 September 2004 (02.09.2004)

(51) International Patent Classification<sup>7</sup>: G06F 15/00,

(21) International Application Number:

PCT/US2004/004238

(22) International Filing Date:

17/60, 7/08, G03G 15/00

13 February 2004 (13.02.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/448,183

14 February 2003 (14.02.2003)

- (71) Applicant (for all designated States except US): AX-IOHM TRANSACTION SOLUTIONS, INC. [US/US]; 950 Danby Road, Ithaca, NY 14850 (US).
- (72) Inventors: WILDEY, Theron, A.; 1516 Danby Road, Ithaca, NY 14850 (US). KOBZIAR, Andrew; 108

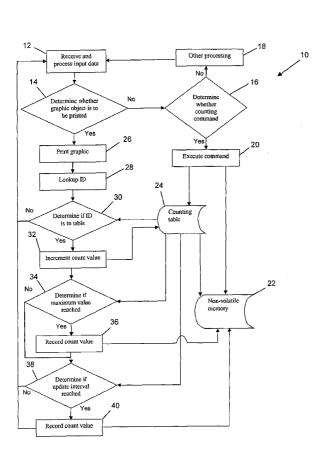
(10) International Publication Number WO 2004/075002 A3

Northview Road, Ithaca, NY 14850 (US). NYE, Andrew, B.; 3776 Highland Avenue, Skaneateles, NY 13152 (US).

- (74) Agent: MCGUIRE, George, R.; Bond Schoeneck & King, PLLC, One Lincoln Center, Syracuse, NY 13202 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,

[Continued on next page]

(54) Title: METHOD FOR COUNTING POS PRINTING OF GRAPHIC OBJECTS



(57) Abstract: A method for counting the number of times a graphic object is printed by a POS system. If a graphic object is to be printed (14, 26), its predetermined ID (or type ID in the case of a surround graphic) is looked up in the counting table (28, 30) and, if present, the count is incremented (32). If the incrementing of the count results in a counter rollover (34, 36), the event is recorded in the Flash memory and the RAM table for later status reporting. Finally, a check is made to see if the update interval has been reached (38) and, if so, the value is written to the Flash memory and incremental counting is restarted (40, 22).

## WO 2004/075002 A3



GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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.

#### 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
- $\textbf{(88)} \ \ \textbf{Date of publication of the international search report:}$

9 February 2006

### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/04238

A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : G06F 15/00, 17/60, 7/08; G03G 15/00					
US CL : 358/1.1, 1.15, 1.16, 304, 406, 504; 399/13, 24, 25, 26, 27, 28, 29, 30; 235/381, 375; 705/16, 14, 18					
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.: G06F 15/00, 7/08; G03G 15/00; G06F 17/60					
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) Please See Continuation Sheet					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
Y	US 5,924,078 A (NAFTZGER) 13 July 1999, See e.	ntire patent.		1-10, 14-20	
Α	US 6,913,195 B2 (SHINKAI) 05 July 2005, See entire patent.			1-24	
Ą	US 6,967,733 B1 (MINOWWA) 22 November 2005, See entire patent.			1-24	
Further	documents are listed in the continuation of Box C.		See patent family annex.		
	pecial categories of cited documents:	"T"	later document published after the inte	rnational filing date or priority	
"A" document	t defining the general state of the art which is not considered to be		date and not in conflict with the applic the principle or theory underlying the	ation but cited to understand	
"E" earlier ap	plication or patent published on or after the international filing	"X"	document of particular relevance; the considered novel or cannot be conside step when the document is taken alone	red to involve an inventive	
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y"	document of particular relevance; the considered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	when the document is documents, such combination	
"O" document	referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent		
"P" document published prior to the international filing date but later than the					
Date of the actual completion of the international search  Date of mailing of the international search report  Brown			ch report		
01 December 2005 (01.12.2005)					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450			I. Lamb No. 705-305-4700	Ward	
Facsimile No. (703) 305-3230					

INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/04238	
	•	
	· ·	
Continuation of B. FIELDS SEARCHED Item 3:		
EAST (count\$3 or number\$3) near5 (print\$3 near3 (graphic or (graphic near objec) or pi increment\$3 near4 count, point of sale or ("POS"),	icture or image)	