(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 25 September 2008 (25.09,2008)

PCT

(10) International Publication Number WO 2008/115784 A3

(51) International Patent Classification: G06K 7/08 (2006.01) G06K 19/077 (2006.01)

(21) International Application Number:

PCT/US2008/056981

(22) International Filing Date: 14 March 2008 (14.03.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

11/687,272 16 March 2007 (16.03.2007) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 11/687,272 (CIP) Filed on 16 March 2007 (16.03.2007)

(71) Applicant (for all designated States except US): PROMEGA CORPORATION [US/US]; 2800 Woods Hollow Road, Madison, WI 53711-5399 (US).

(72) Inventors; and

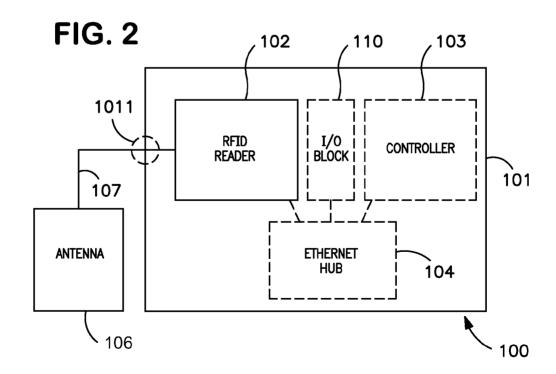
(75) Inventors/Applicants (for US only): PHILLIPS, Travis,
 A. [US/US]; 1825 Cedarbrook Lane, Stoughton, WI 53589
 (US). TINNELL, Kenneth, Andrew [US/US]; 2896

Brian Lane, Fitchburg, WI 53711 (US). **SALVO, Adam** [US/US]; 357 Concord Drive, Oregon, WI 53575 (US). **DOEDEN, Robert, Joseph** [US/US]; 741 Athletic Way, Sun Prairie, WI 53590 (US).

- (74) Agents: GLUECK, Daniel, S. et al.; Fitzpatrick, Cella, Harper & Scinto, 30 Rockefeller Plaza, New York, NY 10112-3800 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: RFID READER ENCLOSURE AND MAN-O-WAR RFID READER SYSTEM



(57) Abstract: An apparatus including an enclosure for an RFID reader to be affixed to a storage container; an RFID reader that scans a first storage container using a first antenna and a second storage container using a second antenna; and a networked system of RFID apparatuses including a primary RFID apparatus and secondary RFID apparatuses that are controlled by the primary RFID apparatus.

WO 2008/115784 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Published:

with international search report

(88) Date of publication of the international search report:

6 November 2008

INTERNATIONAL SEARCH REPORT

International application No PCT/US2008/056981

A. CLASSIFICATION OF SUBJECT MATTER INV. G06K7/08 G06K G06K19/077 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) G06K 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 \ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ EP 1 679 636 A (SAMSUNG ELECTRONICS CO LTD 1 - 36[KR]) 12 July 2006 (2006-07-12) paragraph [0012] - paragraph [0018]; figure 1 χ WO 2005/013496 A (MEADWESTVACO CORP [US]; 1 - 36MARINO RONALD A [US]; CAMPERO RICHARD J [US];) 10 February 2005 (2005-02-10) claims 15,16,2226; figures 11-13a χ EP 1 701 296 A (FUJI XEROX CO LTD [JP]) 1 - 3613 September 2006 (2006-09-13) paragraphs [0045] - [0053]; figures 4,21,22 Further documents are listed in the continuation of Box C. See patent family 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 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 involve an inventive step when the document is taken alone 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) 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. O' document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 13 August 2008 04/09/2008 Name and mailing address of the ISA/ Authorized officer 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 Beker, Harald

INTERNATIONAL SEARCH REPORT

International application No PCT/US2008/056981

Catogoniti	Chaitan of de company with indication where approximate of the contraction		B-1	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X ,P	WO 2007/142645 A (ASYST TECHNOLOGIES [US]; SHARMA ARUN [US]; FRITSCHEN DAN [US]; LIU DAN) 13 December 2007 (2007-12-13) page 10, last paragraph - page 13; figures 5,6,9	1-36		
X	US 2005/247782 A1 (AMBARTSOUMIAN GOUGEN [CA] AMBARTSOUMIAN GOURGEN [CA]) 10 November 2005 (2005-11-10) paragraphs [0093] - [0096], [0117] - [0119]	1-36		
÷				
		-		
		1		
		-		
-				,
			·	
-,				
			,	
		f		м.
-				ř
,		• .		-

INTERNATIONAL SEARCH REPORT

information on patent family members

International application No PCT/US2008/056981

	Patent document cited in search report			Publication date	Patent family member(s)			Publication date
-	EP	1679636	A	12-07-2006	CN JP JP KR US	1801177 4022553 2006189238 20060079812 2006145814	B2 A A	12-07-2006 19-12-2007 20-07-2006 06-07-2006 06-07-2006
	MO	2005013496	Α	10-02-2005	US	2007257857	Αį	08-11-2007
	EP	1701296	Α.	13-09-2006	CN JP KR US	1831841 2006246372 20060097536 2006208899	A A	13-09-2006 14-09-2006 14-09-2006 21-09-2006
	WO	2007142645	Α	13-12-2007	NONE			·
	US	2005247782	A1	10-11-2005	NON	E		