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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
2 November 2006 (02.11.2006)

PCT

(10) International Publication Number
WO 2006/116238 A3

(51) International Patent Classification:
H04Q 1/00 (2006.01)

(21) International Application Number:
PCT/US2006/015347

(22) International Filing Date: 21 April 2006 (21.04.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/673,692	21 April 2005 (21.04.2005)	US
60/712,957	31 August 2005 (31.08.2005)	US
11/301,396	13 December 2005 (13.12.2005)	US
11/301,423	13 December 2005 (13.12.2005)	US
11/301,587	13 December 2005 (13.12.2005)	US
11/301,770	13 December 2005 (13.12.2005)	US
11/323,214	30 December 2005 (30.12.2005)	US
11/328,209	9 January 2006 (09.01.2006)	US
11/387,421	23 March 2006 (23.03.2006)	US
11/387,422	23 March 2006 (23.03.2006)	US

(71) Applicant *(for all designated States except US)*: **SKYETEK, INC.** [US/US]; 1030 CIRCLE POINT ROAD, Suite 300, Westminster, Colorado 80020 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **LOVING, Sean** [US/US]; 751 Cleveland Circle, Lafayette, Colorado 80026 (US).

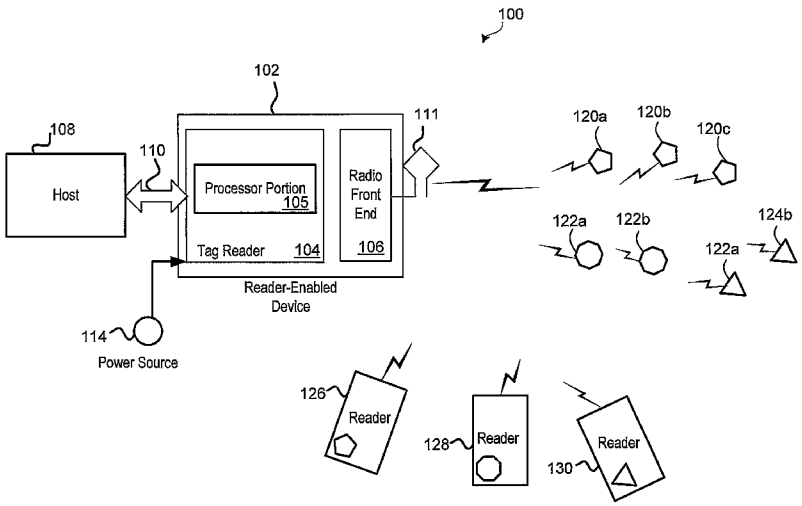
(74) Agent: **VOCK, Curtis**; LATHROP & GAGE LC, 2345 GRAND BOULEVARD, Suite 2400, Kansas City, Missouri 64108 (US).

(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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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, NA, 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, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR ADAPTING AN RFID TAG READER TO ITS ENVIRONMENT



(57) Abstract: A system and method is disclosed for configuring a RFID tag reader (104) based upon one or more aspects of an environment (100) of the RFID tag reader (104). In one embodiment a tag reader(104) is deployed into an environment (100) that includes readable RFID tags (120a-c) capable of storing dynnmic data, and a characteristic of the environment (100) of the tag reader (104) is identified. Based upon the identified characteristic, the configuration of the tag reader (104) is adjusted. In variations, the tag reader (104) is configurable based upon information received from RFID tags (120a-c).

WO 2006/116238 A3

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report*

(88) Date of publication of the international search report:
22 March 2007

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

International application No.
PCT/US06/15347

A. CLASSIFICATION OF SUBJECT MATTER
IPC: **H04Q 1/00**(2006.01)

USPC: 340/10.1,572.1
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. : 340/10.1, 572.1

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)
east - reader, interrogator, configure, adjust

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x --- Y	US 6,317,027 B1 (WATKINS) 13 November 2001, col. 2 line 13 - col. 4 line 59.	1-3, 5, 20-21 --- 4, 6-19
Y	US 2004/0212493 A1 (STILP) 28 October 2004, paragraphs 75, 76, 91.	4, 6-29
Y	US 6,377,176 B1 (LEE) 23 April 2002, col. 7 line 43 - col. 9 line 56.	8-10
A	US 6,420,961 B1 (BATES et al) 16 July 2002	1
A	US 6,677,852 B1 (LANDT) 13 January 2004	1

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent 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
07 August 2006 (07.08.2006)	28 SEP 2006
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Edwin C. Holloway, III Telephone No. (573) 272-2600

Form PCT/ISA/210 (second sheet) (April 2005)