



(51) International Patent Classification:

G06K 19/077 (2006.01) H01Q 1/24 (2006.01)
G06K 17/00 (2006.01)

(21) International Application Number:

PCT/US2012/039566

(22) International Filing Date:

25 May 2012 (25.05.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/491,573 31 May 2011 (31.05.2011) US

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(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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,

[Continued on next page]

(54) Title: ENCODED ANTENNA ARRAY AND METHOD

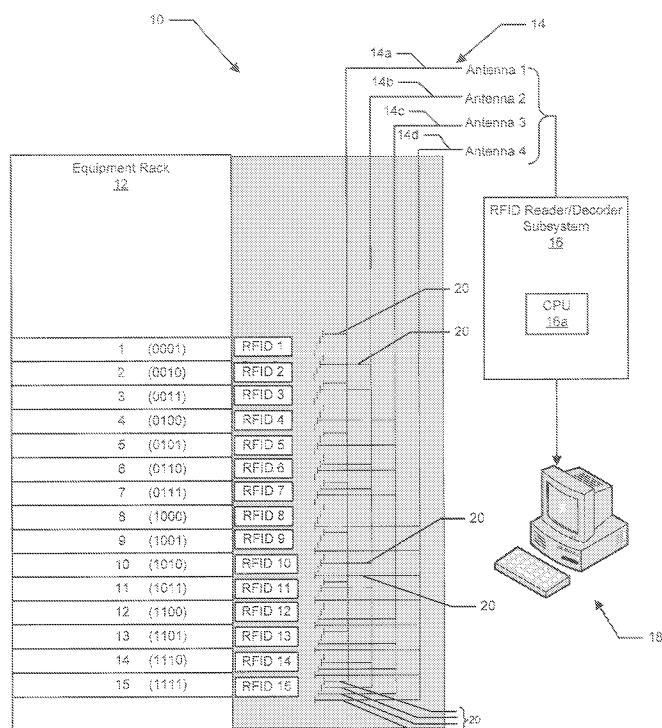


FIGURE 3

(57) Abstract: A system for identifying which equipment slots of an equipment enclosure have equipment components located in them when specific equipment components containing radio frequency identification (RFID) tags thereon are inserted into specific ones of the equipment slots. The system may use a plurality of antenna elements that wirelessly sense the presence of an RFID tag at any of the equipment slots, and which generate outputs that may be interpreted as forming a plurality of codes. Each code is uniquely associated with a specific one of the equipment slots. A decoder system may read the output signals from the antenna elements to thus obtain the code and determine which specific ones of the equipment slots that an RFID tag was sensed at.



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 (Rule 48.2(h))*

Published:

— *with international search report (Art. 21(3))*

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

24 January 2013

A. CLASSIFICATION OF SUBJECT MATTER**G06K 19/077(2006.01)i, G06K 17/00(2006.01)i, H01Q 1/24(2006.01)i**

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)

G06K 19/077; G08B 13/14; H04Q 5/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: multiple antenna, RFID tag, decoder

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2005-0219050 A1 (CLIFFORD MARTIN) 06 October 2005 See abstract, paragraphs [9],[20]-[25] and figure 1.	1, 12, 19 2-11, 13-18, 20
A	US 2002-0047777 A1 (MARTIN S. CASDEN) 25 April 2002 See abstract, paragraph [30] and figure 3.	1-20
A	US 2009-0284354 A1 (PINKHAM JASON) 19 November 2009 See abstract, claims 1,10 and figure 1.	1-20
A	US 2009-0289776 A1 (MOORE LARRY et al.) 26 November 2009 See abstract, paragraphs [182] and figure 2.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

06 DECEMBER 2012 (06.12.2012)

Date of mailing of the international search report

06 DECEMBER 2012 (06.12.2012)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
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City, 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

Yim, Eun Jeong

Telephone No. 82-42-481-8442



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/039566

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datePatent family
member(s)Publication
date

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10.06.2010