

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
1 March 2007 (01.03.2007)

PCT

(10) International Publication Number  
**WO 2007/025061 A3**

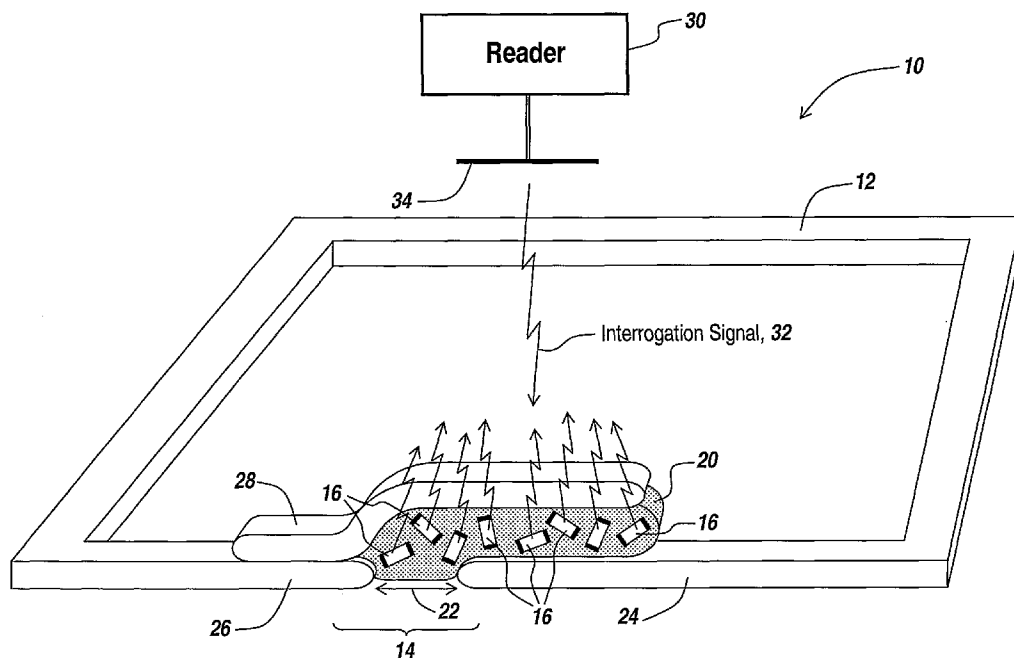
- (51) International Patent Classification:  
*H04Q 5/22* (2006.01)      *G08B 13/14* (2006.01)  
*H02J 13/00* (2006.01)
- (21) International Application Number:  
PCT/US2006/033112
- (22) International Filing Date: 24 August 2006 (24.08.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/711,314      25 August 2005 (25.08.2005)      US
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- (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, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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, 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), 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).

- 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
- (88) Date of publication of the international search report:  
26 April 2007

[Continued on next page]

(54) Title: COHERENT MULTICHIP RFID TAG AND METHOD AND APPARTUS FOR CREATING SUCH COHERENCE



(57) Abstract: An RFID tag (10), containing at least two independent microscopic RFID chips (16) or microradios is programmed with the same unique identifier for each chip. The unique identifier is used in the RFID chips (16) to key the RFID chip (16) transmittin to produce outputs in the same time slot so that the outputs add coherently, thus to create an output that is identical to that of a conventional tag containing only one such chip.

WO 2007/025061 A3



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*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/US06/33112

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC: H04Q 5/22;H02J 13/00;G08B 13/14**

USPC: 340/10.33,10.52,825.52,572.1;710/9  
 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. : 340/10.33,10.52,825.52,572.1;710/9

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)  
 EAST; Search terms: phase coherence, pseudo-random generator, seed, time slot selection unit in RFID system.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,002,344 A (BANDY et al.) 14 December 1999 (14.12.1999) column 3 lines 19 to 47.	1 and 6-10
Y		2,5, 11-16 and 18-19
Y	US 6,538,563 B1 (HENG) 25 March 2003 (25.3.2003) column 4 lines 7 to 62.	2,5,11-16 and 18-19
A	US 5,686,902 A (REIS et al.) 11 November 1997 (11.11.1997) column 11 lines 57 to column 12 line 22.	1-22
A	US 6,249,227 B1 (BRADY et al.) 19 June 2001 (19.6.2001) column 13 line 43 to column 14 line 50.	1-22
A	US 6,816,063 B2 (KUBLER et al.) 09 November 2004 (09.11.2004) column 9 line 40 to column 10 line 65.	1-22

Further documents are listed in the continuation of Box C.  See patent family annex.

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"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	

Date of the actual completion of the international search 19 January 2007 (19.01.2007)	Date of mailing of the international search report 05 MAR 2007
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