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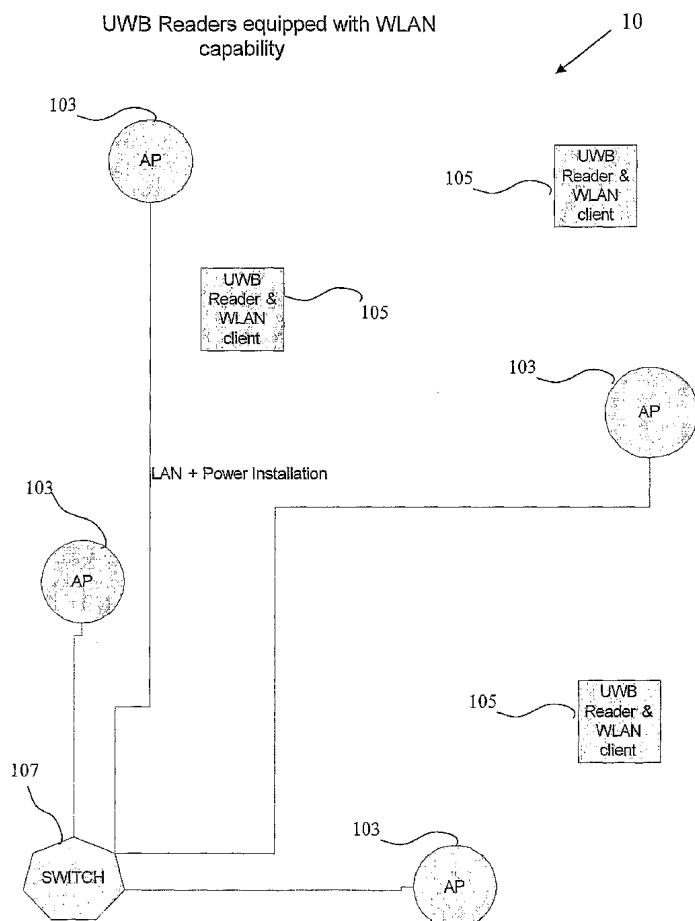
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(54) Title: RFID-UWB SYSTEM CONNECTED TO WLAN INFRASTRUCTURE



(57) Abstract: A system including a radio frequency identification (RFID) network and a wireless local area network (WLAN). The RFID network transfers ultra-wide band signals between a reader and a tag. In the wireless local area network (WLAN) an access point communicates with a WLAN transceiver using WLAN signals. The reader is operatively attached to either the wireless access point or the WLAN transceiver and the WLAN is a back haul network of the RFID network. Co-existence of the two networks is provided either by time division between the ultra-wide band signals and WLAN signals; and/or receiver isolation of said RFID network from said WLAN signals.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL06/00916

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H04B 7/212**(2006.01);**H04J 3/00**(2006.01)

USPC: 370/377

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. : Please See Continuation Sheet

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US Patent Application Publication 2005/0207381 A1 (Aljadeff et al) 9 May 2005 (09.05.2005), [0019]-[0026]	1-15
Y	US 2006/0133272 A1 (Yuan et al.) 3 Dec 2004 (03.12.2004), ([0019])	1-15
Y	US 2005/0289631 A1 (Shoemake) 23 June 2005 (23.06.2005), [0016]	3
Y	US 2006/0029024 A1 (Zeng et al.) 25 Jan. 2005 (25.01.2005), [0021] and [0022]	5
Y	US 2003/0043042 (Moores, JR. et al.) 13 Nov. 2001 (13.11.2001), [0142]	9
Y	US 7,181,164 (Lee et al.) 14 Jan. 2005 (14.01.2005), column 4, lines 16-26	10 and 11
Y	US 6,973,296 B2 (Webster et al.) 4 Dec. 2001 (04.12.2001), column 4 lines 30-65	13



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/IL06/00916**C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,686,829 (hohberger et al.) 3 Feb 2004 (03.02.2004), col. 8 line 66 – col. 9 line 8 and col. 10 lines 7-25	14 and 15

Continuation of B. FIELDS SEARCHED Item 1:

370/377,328,238,445

455/426.1,41.2,454,451,452.2