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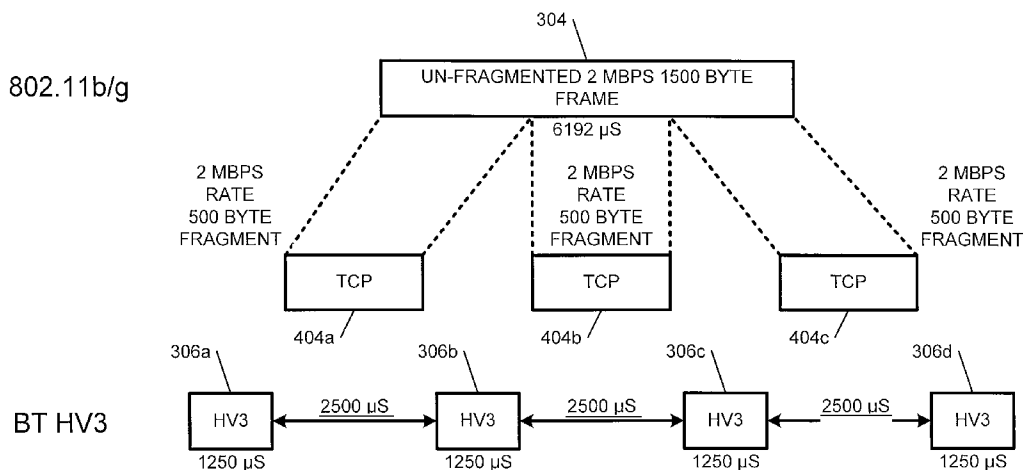
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(54) **Title:** TRANSMISSION USING A PLURALITY OF PROTOCOLS



(57) **Abstract:** Included are embodiments for communicating data using a plurality of formats. At least one embodiment of a method includes transmitting a plurality of first format data frames with a predetermined time period between transmitted first format data frames and determining a duration of the time period between the transmitted first format data frames. Similarly, some embodiments include fragmenting a second format data frame into a plurality of second format subframes such that the second format subframes may be transmitted during the time period between the transmitted first format data frames.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/78747

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04J 3/00(2006.01)

USPC: 370/338,528

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. : 370/338, 528, 314, 345, 459, 462, 468, 473, 477, 498, 522, 535, 537, 538, 328, 329

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)
Please See Continuation Sheet

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 2005/0276241 A (KAMERMAN) 15 December 2005, See [0014]-[0016], [0028], [0059], [0082]	1-3, 5-11, 13-22 ----- 4, 12
A	US 2005/0025104 A (FISCHER et al) 03 February 2005, see entire document.	1-22
A	US 2002/0136183 A (CHEN et al.) 26 September 2002, see entire document.	1-22
A	US 2004/0047324 A (DIENER) 11 March 2004, see entire document.	1-22
A	US 6,895,255 A (BRIDGELALL) 17 May 2005, see entire document.	1-22
A	US 7,046,649 A (AWATER et al.) 16 May 2006, see entire document.	1-22

Further documents are listed in the continuation of Box C.

D See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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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 June 2008 (19.06.2008)

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/78747

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 6,993,049 A (DAVIES) 31 January 2006, see entire document.	1-22

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/78747

Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: Bluetooth, WLAN, 802. 11\$, idle period, fragments, subframe