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(54) **Title:** METHOD AND SYSTEM FOR BROADBAND NEAR FIELD COMMUNICATION UTILIZING FULL SPECTRUM CAPTURE

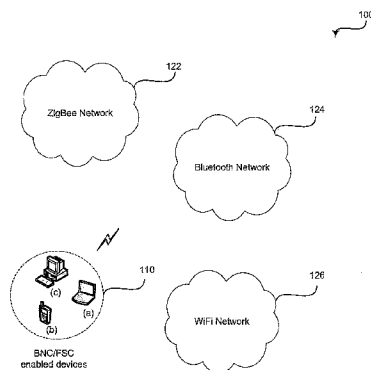


FIG. 1

(57) **Abstract:** A integrated broadband transceiver is operable to communicate signals at a power level that is below a spurious emissions mask and to spread said communicated signals over a designated frequency spectrum band. The integrated broadband transceiver is operable to detect usable channels within the designated frequency spectrum band and wirelessly communicate content with one or more other integrated broadband transceiver enabled devices over the one or more of said detected channels. The one or more other integrated broadband transceiver enabled devices are also operable to communicate signals at the power level that is below the spurious emissions mask and to spread said communicated signals over said entire designated frequency spectrum band. The integrated broadband transceiver may be paired with the other integrated broadband transceiver enabled devices utilizing broadband near-field communication (BNC) protocols. The integrated broadband transceiver may be configured with security levels during the pairing based on corresponding.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 13/26367

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04B 7/00 (2013.01)

USPC - 370/277

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)

USPC: 370/277

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

USPC: 370/276-282 (keyword limited - see terms below)

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

PatBase; GOOGLE; GoogleScholar; GooglePatents

Search Terms: broadband, BNC, protocol, wireless, communicate, channel, synchronize, transceiver, power level, frequency spectrum, security, near-field

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0042290 A1 (Williams et al.) 11 April 2002 (11.04.2002), entire document, especially; abstract, para. [0007], [0008], [0018], [0058]	1 - 20
Y	US 2007/0258542 A1 (Cleveland) 08 November 2007 (08.11.2007), entire document, especially; abstract, para. [0004], [0019], [0020], [0034], [0035]	1 - 20
Y	US 2003/0220765 A1 (Overy et al.) 27 November 2003 (27.11.2003), entire document, especially; abstract, para. [0021]-[0025]	3 - 5, 13 - 15

Further documents are listed in the continuation of Box C.

* 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 but 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

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