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(54) Title: METHODS AND SYSTEMS FOR IMPROVING ULTRA-WIDEBAND (UWB) ELECTROMAGNETIC COMPATIBILITY (EMC) IMMUNITY

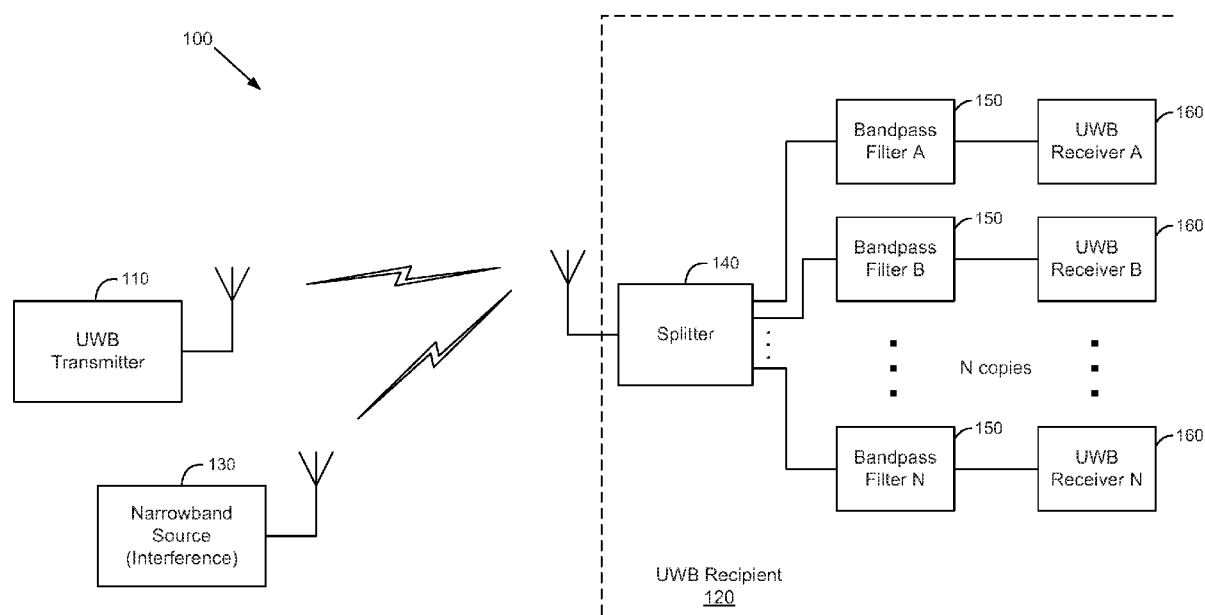


FIG. 1

(57) Abstract: Systems and methods are provided for improving ultra-wideband (UWB) electromagnetic compatibility (EMC) immunity. A system that supports communication of UWB signals may be configured for using fractional receiving bands, from an entire band allocated for the communication of the UWB signals, during reception of UWB signals. A system that supports communication of UWB signals may be configured for using split bands, from an entire band allocated for the communication of the UWB signals, during transmission of UWB signals.



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A. CLASSIFICATION OF SUBJECT MATTER

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CPC - H04B 1/7101, 1/0475; H04L 1/0048

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)

See Search History document

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

See Search History document

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

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2016/0072547 A1 (KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS) 10 March 2016; para [0069], [0127], [0139], [0161], [0164]	1-19
A	US 2014/0286360 A1 (SHARED SPECTRUM COMPANY) 25 September 2014; entire document	1-19
A	US 2014/0348155 A1 (MICROSOFT CORPORATION) 27 Novemebr 2014; entire document	1-19

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

* Special categories of cited documents:

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"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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