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(54) **AUTONOMOUS RECEIVE (RX) DETECTOR FOR A RADIO MODULE**

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(58) **Field of Classification Search**

USPC 345/211, 539.11

See application file for complete search history.

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(57) **ABSTRACT**

Certain aspects of the present disclosure provide methods and apparatus for autonomous receive (RX) detection. One example method for wireless communications generally includes powering down a portion of a receive path in a first module; detecting, in a second module comprising another portion of the receive path, that a radio frequency (RF) signal has been received by the second module while the portion of the receive path in the first module is powered down; and sending a control signal to power up the portion of the receive path in the first module, based on the detection.

28 Claims, 7 Drawing Sheets