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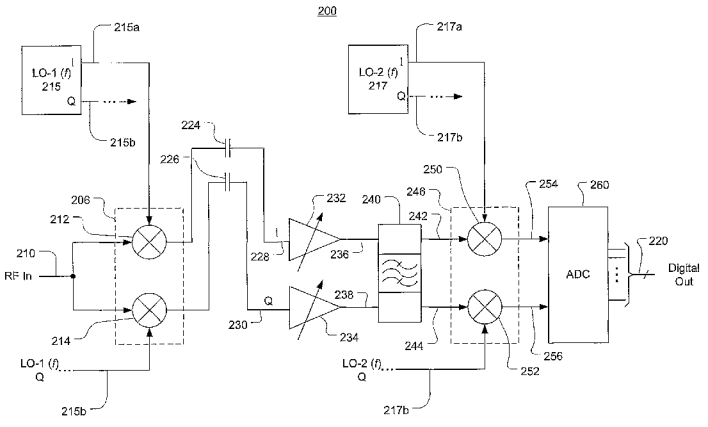
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(54) **Title:** APPARATUS, SYSTEM, AND METHOD FOR MULTI-CLASS WIRELESS RECEIVER



(57) **Abstract:** Apparatus, system, and method for multi-class wireless receiver are described. The multi-class receiver includes a first down- converter coupled to an input port, a filter coupled to the first-down converter, and a second down-converter coupled to the filter. In a first mode, the filter is configured as a first filter and the second down-converter is disabled. In a second mode, the filter is configured as a second filter and the second down converter is enabled. The system includes a wireless module and a wireless transceiver in communication with the wireless module. The method includes receiving multi-class RF signals, converting at least a first class of RF signals in a first mode of operation, and converting at least a second class of RF signals in a second mode of operation with said multi-class receiver. Applicability: for class-0 and class-1 RFID signals.

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