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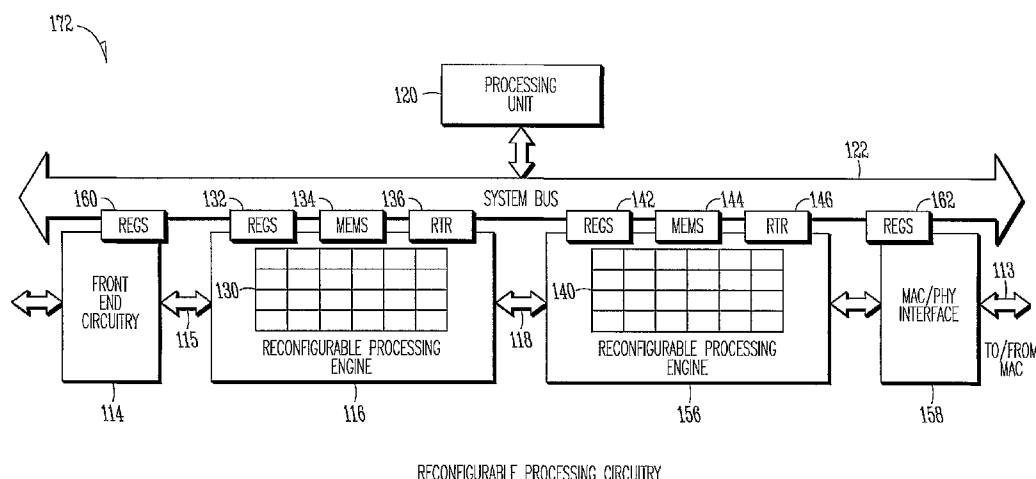
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(54) Title: WIRELESS COMMUNICATION DEVICE WITH PHYSICAL-LAYER RECONFIGURABLE PROCESSING ENGINES



(57) Abstract: Embodiments of a system and method for signal processing in a wireless communication device are generally described herein. Other embodiments may be described and claimed. In some embodiments, the wireless communication device comprises a first reconfigurable processing engine for configuration by a processing unit to perform a plurality of baseband processing operations on baseband samples. The processing unit may reconfigure the first reconfigurable processing engine for performing each of the plurality of baseband processing operations after completion of a prior one of the baseband processing operations. A second reconfigurable processing engine for configuration by the processing unit may perform decoding operations on output data generated by the first reconfigurable processing engine.

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