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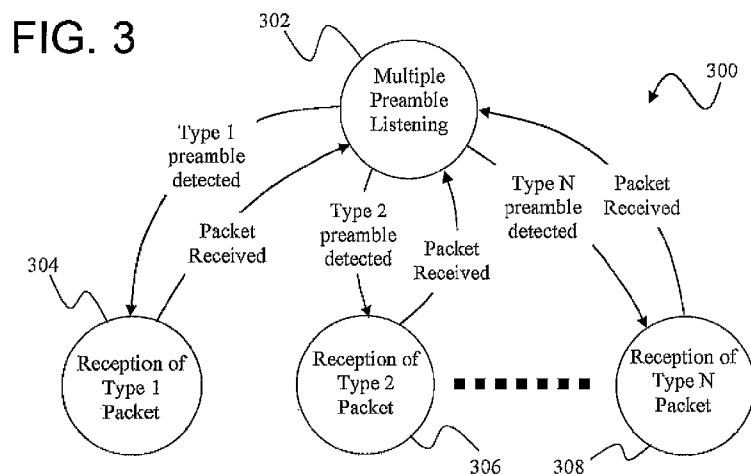
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(54) Title: MULTIPLE PROTOCOL RECEIVER



(57) Abstract: The presently disclosed subject matter is directed to methods and apparatus for providing a multi-protocol receiver for use in a radio frequency (RF) network. The receiver is designed to listen for multiple different packet preambles in parallel and, upon detection of a particular preamble, shift to demodulating the data portion of the packet using the single modulation technique associated with the particular preamble. Transmission of packets may be performed using a single radio frequency for all network devices or by frequency hopping techniques but using the same hopping pattern for all network devices. The receiver may be used with general communications networks or more specific applications, such as Smart Grid and AMI networks, and meshed networks of metrology devices.