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(54) Title: MILLIMETER WAVE RANGING WITH SIX DEGREES OF FREEDOM

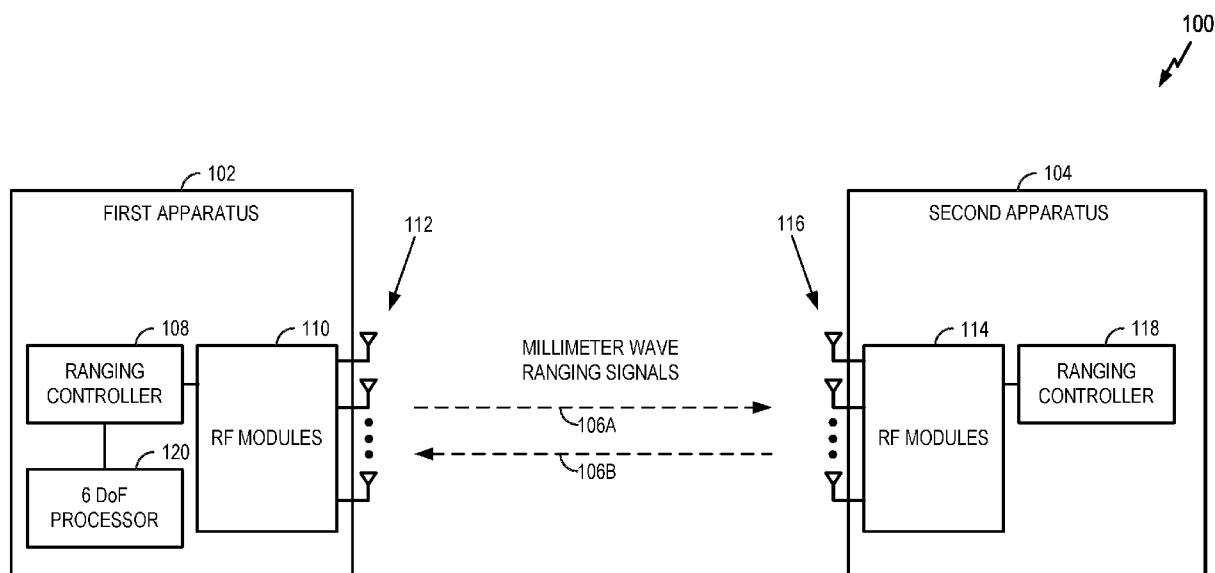


FIG. 1

(57) Abstract: Various aspects of the disclosure relate to millimeter wave ranging with six degrees of freedom. For example, a multi-gigabyte link (e.g., an IEEE 802.11ad link or an 802.11ay link) and RF/Antenna diversity modules can be used to conduct round trip time (RTT) distance measurements between an anchor point and a station. Relative location information (e.g., degrees of freedom) between the wireless devices can then be determined based on the distance measurements.

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