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(54) **ANGLE OF DEPARTURE BASED CHANNEL STATE INFORMATION**

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(57) **ABSTRACT**

Apparatuses, methods, and systems are disclosed for angle of departure based channel state information. One method includes estimating, at a receiving device, a channel from a transmitting device using reference signals. The method includes determining a set of up to N beam angle of departures from signals transmitted from the transmitting device having a signal strength greater than a predetermined threshold. The method includes determining a channel quality associated with each angle of departure of the set of up to N beam angle of departures. The method includes sending channel state information comprising information indicating the set of up to N beam angle of departures and the channel quality associated with each angle of departure of the set of up to N beam angle of departures.