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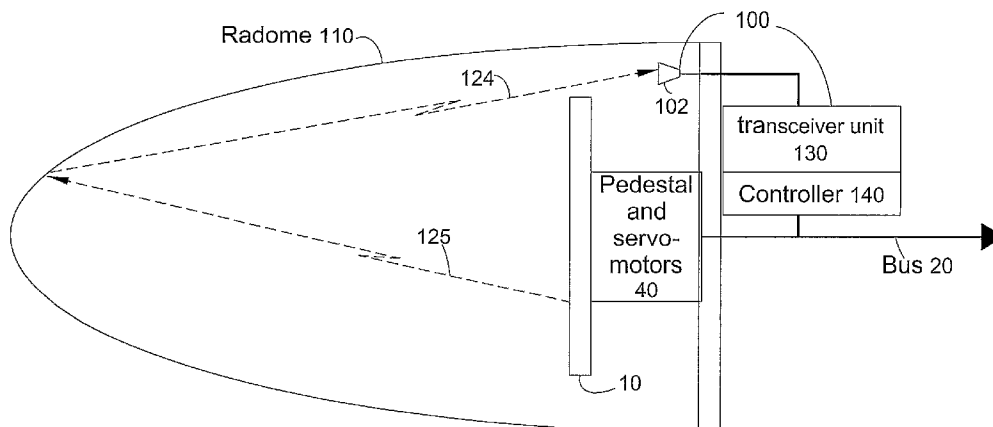
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(54) Title: METHODS AND SYSTEMS FOR GENERATING VIRTUAL RADAR TARGETS



(57) Abstract: The present invention provides a virtual radar target generator and a method thereof. The virtual radar target generator comprises a transceiver and a controller coupled to the transceiver, wherein the transceiver is adapted to receive a signal transmitted from a radar antenna, store signal information representative of the received signal within a digital radio frequency memory, and transmit an output signal representative of a virtual target such that at least a fraction of the output is received by the radar antenna, and wherein the controller is adapted to determine a timing of the transmission of the output signal in response to a virtual distance between the virtual target and the radar antenna, a required virtual target direction and direction information representative of a direction of the radar antenna.