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(54) Title: DETECTING MOTION OF AN AUTONOMOUS VEHICLE USING RADAR TECHNOLOGY

(57) Abstract: Examples relating to vehicle motion detection using radar technology are described. An example method may be performed by a computing system and may involve receiving, from at least one radar sensor mounted on an autonomous vehicle, radar data representative of an environment of the vehicle. The method may involve, based on the radar data, detecting at least one scatterer present in the environment and, making a determination of a likelihood, that the at least one scatterer is stationary with respect to the vehicle. The method may involve, in response to the likelihood being at least equal to a predefined confidence threshold, calculating a velocity of the vehicle based on the radar data, where calculating the velocity comprises one of: determining an indication that the vehicle is stationary, and determining an angular and linear velocity of the vehicle. And the method may involve controlling the vehicle based on the calculated velocity.

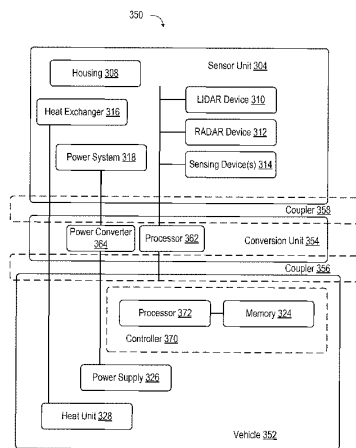


Figure 3B

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