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(54) Title: SENSOR FIELD SELECTION

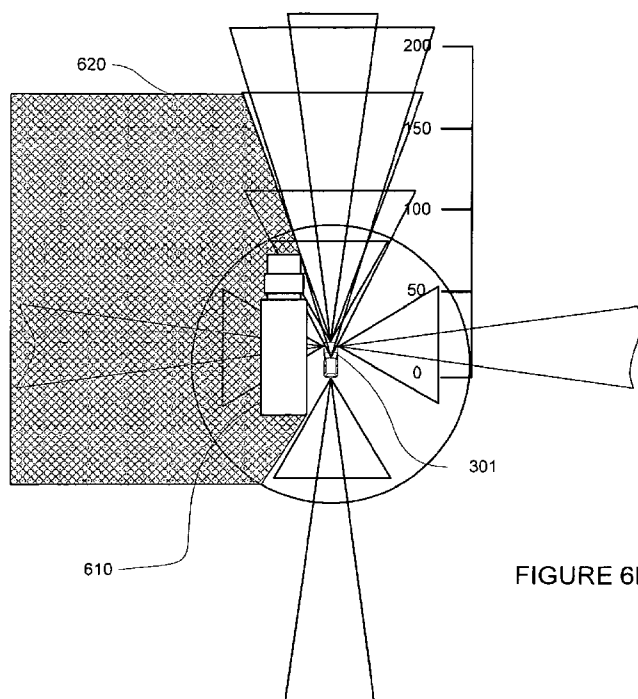


FIGURE 6B

(57) Abstract: Aspects of the present disclosure relate generally to safe and effective use of autonomous vehicles. More specifically, an autonomous vehicle 301, 501 is able to detect objects in its surroundings which are within the sensor fields 410, 411, 430, 431, 420A-423A, 420B-423B, 570-75, 580. In response to detecting objects, the computer 110 may adjust the autonomous vehicle's speed or change direction. In some examples, however, the sensor fields may be changed or become less reliable based on objects or other features in the vehicle's surroundings. As a result, the vehicle's computer 110 may calculate the size and shape of the area of sensor diminution 620, 720 and a new sensor field based on this area of diminution. In response to identifying the area of sensor diminution or the new sensor field, the vehicle's computer may change the control strategies of the vehicle.



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