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(54) **ADJUSTABLE BEAM PATTERN FOR LIDAR SENSOR**

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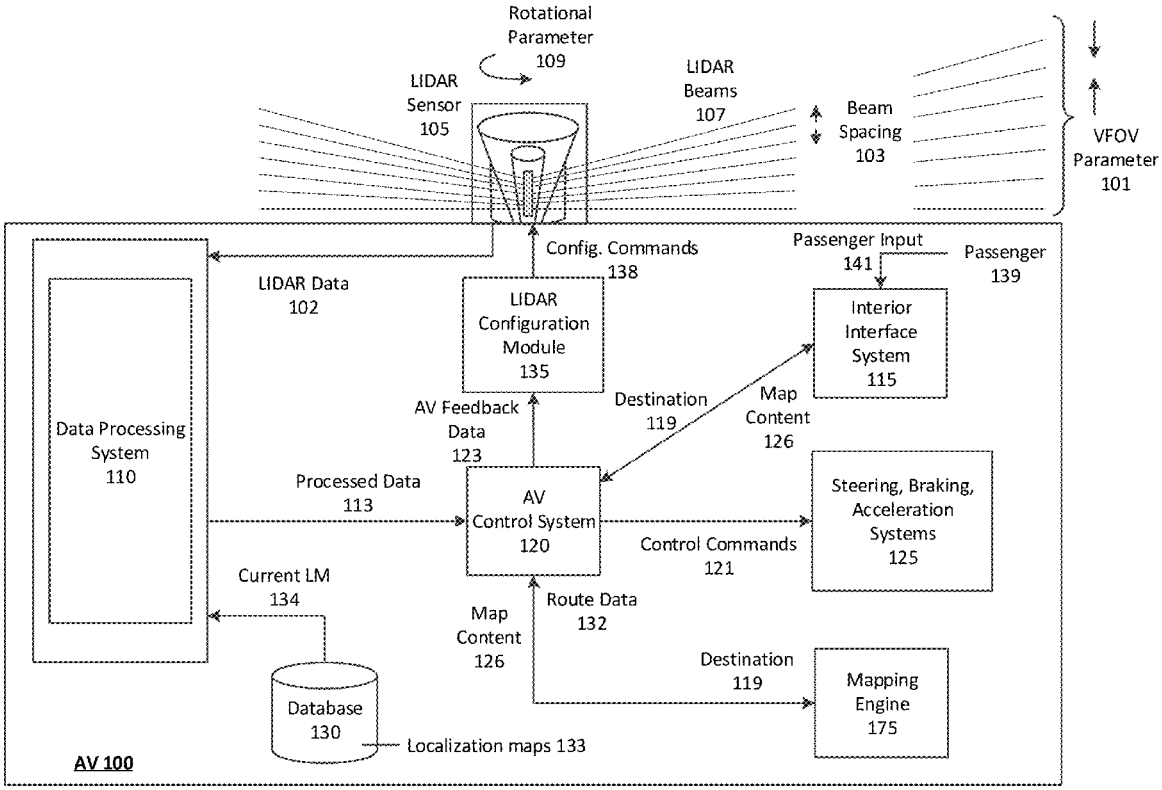
(57) **ABSTRACT**

A LIDAR sensor for an autonomous vehicle (AV) can include a set of mirrors and a set of lasers outputting laser beams via the set of mirrors. The LIDAR sensor can further include one or more mirror actuators to adjust the set of mirrors, in response to AV feedback from the AV, to reconfigure a beam pattern of the outputted lasers.