

OBSTACLE AVOIDANCE IN AUTONOMOUS VEHICLES

ABSTRACT

The presently disclosed subject matter includes a computerized method and a control system mountable on a vehicle

for autonomously controlling the vehicle and enabling to execute a point-turn while avoiding collision with nearby obstacles.

More specifically, the proposed technique enables an autonomous vehicle, characterized by an asymmetric contour, to execute

a collision free point-turn, in an area crowded with obstacles. The disclosed method enables execution of a point turn quickly,

without requiring the vehicle to stop.

FIG. 5