

ABSTRACT

DYNAMIC ROUTING FOR AUTONOMOUS VEHICLES

A route (660) for a trip to a destination is generated using map information. A set of no-go roadway segments, where a vehicle (100) is not able to drive in an autonomous mode, relevant to the route is identified from the map information. A local region (800) around a current location of the vehicle is determined. A local map region (900) including roadway segments of the map information that correspond to locations within the local region is determined. The set of the plurality of no-go roadway segments is filtered from the roadway segments of the local map region. A cost value is assigned to each roadway segment of the filtered roadway segments of the local map region. Any assigned cost values are used to determining a plan for maneuvering the vehicle for a predetermined period into the future. The vehicle is maneuvered according to the plan.

FIGURE 11