

ABSTRACT

TRAVEL CONTROL DEVICE, VEHICLE, TRAFFIC SYSTEM, CONTROL
METHOD, AND PROGRAM

5

The limit information acquisition unit is configured to acquire limit information including speed limit information and the position information corresponding to the speed limit, from a vehicle speed limit unit that is configured to set the speed limits at a plurality of positions in order to achieve a predetermined deceleration completion speed
10 at the speed limit start position. The current position acquisition unit is configured to acquire a current position of the vehicle. The current speed acquisition unit is configured to acquire a current speed of the vehicle. The travel curve generation unit is configured to generate a travel curve which satisfies the speed limit at each position obtained from the limit information according to the acquired limit information, the
15 current position, and the current speed. The speed command unit is configured to generate a speed command according to the generated travel curve and the current position.

FIG. 1