SYSTEMS AND METHODS FOR SWITCHING DRIVING MODE OF VEHICLE

TECHNICAL FIELD

[0001] The present disclosure relates generally to systems and methods for switching a driving mode of a vehicle, and in particular, to systems and methods for determining at least one switching signal that switches the vehicle between manual drive and autonomous drive.

BACKGROUND

[0002] During autonomous drive, an autonomous vehicle may essentially drives itself without input from a driver. Under manual drive, the driver of the autonomous vehicle may take a high degree of control over the movement of the autonomous vehicle. It may be necessary to provide systems and methods for determining a switching signal that switches the autonomous vehicle between the manual drive and the autonomous drive according to different situations.

SUMMARY

[0003] According to an aspect of the present disclosure, an electronic system is provided. The electronic system may include at least one sensor configured to connect to a driving system of a vehicle; at least one gateway module connected to the at least one sensor through a controller area network; and processing circuits connected to the at least one gateway module. During operation, the processing circuits may receive at least one trigger signal from the at least one sensor; determine that the at least one trigger signal meets a predetermined condition; and send at least one switching signal to the gateway module to switch the vehicle from a current driving mode to a target driving mode.