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(57) Abstract :

The present disclosure pertains to a system 100 for recognizing signboard on roadside and controlling the speed of the vehicle accordingly. The system 100 can include a first image acquisition unit 102 mounted on top of the vehicle and directed towards road ahead to capture a images of the road, a second image acquisition unit 104 mounted inside the vehicle 120 to capture images of a speedometer coupled in the vehicle. The system 100 can include a processing unit 106 configured to extract a signboard indicating a regulation speed required on the road and real time speed of the vehicle from the images, and alerting the user to reduce speed of the vehicle to the regulating speed. Also, the processing unit 106 actuates at least one actuator 108 to control and maintain speed of the vehicle according to the extracted regulation speed.

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