

(54) Title of the invention : AUTONOMOUS DRIVING ASSISTANCE TOOL BY COGNIZANCE AND COMPUTER VISION FUSION METHOD

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(57) Abstract :
 ABSTRACT To improve, reshape, and alter future of ground transportation, autonomous vehicles are used. With brilliant vehicles that can decide and perform driving errands all alone, it is guessed that customary vehicles will one day be supplanted. Involving further advances in correspondence innovations all together to accomplish this goal, self-driving vehicles are furnished with sensors that are utilized to detect and also, see both their environmental factors and the distant climate. The eye of self-driving vehicles is the computer vision with an artificial intelligence-based calculation. To guarantee the security of its travelers and to convey a smooth self-driving experience is the primary goal of computer vision. In the computerized driving framework, whose participation execution straightforwardly decides the security of computerized driving vehicles, sensors are the way into the view of the rest of the world. As of late, in robotized driving, we essentially examine the various techniques of multi-sensor combination in this invention.



Figure 1: Autonomous navigation system

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