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(51) International classification	:E01C0023060000, H04W0004020000, G08G0001010000, E01C0011000000, G08G0001160000	(71)**Name of Applicant :**
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(57) Abstract :
Approaches for detecting abnormalities on a road surface are described. In one example, a vehicle-mounted on-board unit may receive a road surface data from a roadside unit. The road surface data may include location of at least one of a plurality of potholes on the road surface in the vicinity of the moving vehicle. Based on the received location of at least one of the plurality of potholes on the road surface, a distance between the vehicle and the corresponding pothole may be determined. Thereafter, if the determined distance between the moving vehicle and the corresponding pothole is less than a predefined threshold distance, one of a control mechanisms of the vehicle may be activated.

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