

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311070502 A

(19) INDIA

(22) Date of filing of Application :17/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : VEHICLE DAMAGE DETECTION DEVICE

(51) International classification :H04N0005225000, G06F0003010000, H04N0005232000, G06Q0030020000, G06Q0040080000  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

The present invention relates to a vehicle damage detection device (102) and a method detecting damage on the vehicle. The device (102) includes a camera module (202), a plurality of sensors (204a-204n), a controller (206), a database (208), and a battery (210). The method involves enabling, camera module (202) and plurality of sensors (204a-204n) to capture real-time images and sense signals related to the vehicle damage, followed by send captured data to the controller (206). The method further involves enabling the controller (206) to process and analyze the received data using pre-trained vehicle detection algorithm and anomalies detection algorithm to detect damage on vehicle. The method further involves sending alert on the user device to notify the user regarding detected damage.

No. of Pages : 22 No. of Claims : 7