

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411009325 A

(19) INDIA

(22) Date of filing of Application :12/02/2024

(43) Publication Date : 16/02/2024

(54) Title of the invention : ANIMAL REPULSING APPARATUS

(51) International classification :A61N0001360000, B60L0001000000, B05B0012120000, F41B0015040000, A61N0001050000

(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 :

An apparatus (100) for protecting a roof of a vehicle (120) from animal intrusion includes a frame (102) mechanically coupled to the roof of the vehicle (120) and a plurality of sensors (104) disposed on the frame (102). Additionally, the apparatus (100) includes a shocker unit (106) electrically coupled to the frame (102) that is configured to generate electric shock upon detecting an event of one or more animals on the roof of the vehicle (120) or in proximity to the vehicle (120) and a control unit (108) operatively coupled to the shocker unit (106) and the plurality of sensors (104). In an event of detection of the animal on the roof of the vehicle (120), the control unit (108) actuates the shocker unit (106) to deliver an electric shock on the frame (102), deterring animals from jumping or walking on the vehicle (120).

No. of Pages : 14 No. of Claims : 8