(19) INDIA

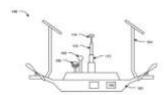
(22) Date of filing of Application :22/01/2020 (43) Publication Date : 23/07/2021

(54) Title of the invention: PEST TRAPPER DRONE APPARATUS

(51) International classification(31) Priority Document No	:B64C0039020000, G06K0009460000, H04N0005232000, E21B0021060000, H04N0005247000 :NA	
(32) Priority Date	:NA	2)KUMAR, Ashok
(33) Name of priority country	:NA	3)MIR, Salim Ul Islam
(86) International Application No	:NA	4)ARYA, Resham
Filing Date	:NA	5)SAMANT, Piyush
(87) International Publication No	: NA	6)KUMAR, Rajesh
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure provides a pest trapper drone apparatus. The disclosed apparatus can include a camera for capturing atleast one image of an area in vicinity of the apparatus, a control unit operatively coupled with the camera, the control unit configured to extract one or more attributes from the captured atleast one image wherein one or more attributes pertaining to information associated with a pest. Select a first set of attributes from the extracted one or more attributes to determine the pest in the captured image, and a second set of attributes are selected from the extracted one or more attributes to determine position of the pest on a surface, generate one or more control signals for navigating the apparatus from an initial position to a position in vicinity of the detected pest to facilitate trapping operation by the apparatus.



No. of Pages: 15 No. of Claims: 9