



पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**
पेटेंट प्रमाण पत्र **Patent Certificate**

(पेटेंट नियमावली का नियम 74) (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. 478250

आवेदन सं. / Application No. 201821021812

फाइल करने की तारीख / Date of Filing 11/06/2018

पेटेंटी / Patentee Junagadh Agricultural University

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *Device for Insects Trapping for Managing Insects* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जून 2018 के ग्यारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *Device for Insects Trapping for Managing Insects* as disclosed in the above mentioned application for the term of 20 years from the 11th day of June 2018 in accordance with the provisions of the Patents Act, 1970.



[Signature]
Controller of Patents

अनुदान की तारीख : 07/12/2023
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जून 2020 के ग्यारहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 11th day of June 2020 and on the same day in every year thereafter.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821021812 A

(19) INDIA

(22) Date of filing of Application :11/06/2018

(43) Publication Date : 29/06/2018

(54) Title of the invention : A MULTIFUNCTIONAL INSECT TRAPPING DEVICE FOR MANAGING INSECTS

(51) International classification	:A01M 1/00	(71)Name of Applicant : 1)Junagadh Agricultural University
(31) Priority Document No	A01M 5/00	Address of Applicant :Director of Research Junagadh Agricultural University, Junagadh - 362001, Gujarat, India.
(32) Priority Date	:NA	Gujarat India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Jethva Dharmrajsinh Majbutsinh
Filing Date	:NA	2)Bhimani Ankur Manjibhai
(87) International Publication No	: NA	3)Wadaskar Pankaj Shankarrao
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Multifunctional Insect Trapping Device for Managing Insects This invention relates to an insect trap for detecting, capturing, monitoring and controlling populations of numerous injurious species of the Coleopteran order of insects. Said trap (28) comprises an electric, solar and battery powered light source (29) surrounded by an electrically conductive grid (6) and sex pheromone lure (32). The sex pheromone lure (32) is being located at the lower end of the light source (29) on a circular plate (7), which is having small ports for fixing the lure. The light source (29) and the grid (6) are energizable by an electric AC or solar or battery based power source external to the device via electric circuit components located in the uppermost part. The device has an array of openings through which insects attracted by the energized light source (29) and sex pheromone lure (32), which come into contact with and be electrocuted by the energized grid (6). The electrocuted insects drop down into circular insect collecting container containing kerosenized water. Fig. 1

No. of Pages : 27 No. of Claims : 7