

## OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 19/2024	शुक्रवार	दिनांक: 10/05/2024
<b>ISSUE NO. 19/2024</b>	FRIDAY	DATE: 10/05/2024

## पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 19/2024 Dated 10/05/2024

(12) PATENT APPLICATION PUBLICATION

(54) Title of the invention : AN AUTOMATIC SURFACE CLEANING DEVICE

## (19) INDIA

(22) Date of filing of Application :21/03/2024

## (71)Name of Applicant : 1)TEJA KARTHIK Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. -2)YOGESH KUMAR SHARMA **3)TUSHAR LOHAN 4)NISHNATHI 5)ISHA PANDEY 6)DHANA LAKSHMI** 7)K.Ravi Naik 8)K.Raju 9)S.Suresh 10)B.Kondalu 11)Archana Bathula Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : **1)TEJA KARTHIK** Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ---:A47L11/24, A47L11/40, B08B1/00, (51) International classification 2)YOGESH KUMAR SHARMA G06F9/00 Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, (86) International Application No :NA Medchal Road, Hyderabad, Telangana-501401, India. ------Filing Date :NA 3)TUSHAR LOHAN (87) International Publication No : NA Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, (61) Patent of Addition to Application :NA Medchal Road, Hyderabad, Telangana-501401, India. -----Number :NA 4)NISHNATHI Filing Date Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, (62) Divisional to Application Number :NA Filing Date :NA 5)ISHA PANDEY Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. -------6)DHANA LAKSHMI Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, 7)K.Ravi Naik Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ------8)K.Raju Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, 9)S.Suresh Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ------10)B.Kondalu Address of Applicant :CMR College of Engineering & Technology, Kandlakova, Medchal Road, Hyderabad, Telangana-501401, India. -----11)Archana Bathula Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ---------

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards an automatic surface cleaning device, includes a control unit orchestrates device operations in response to an activator input, while a power supply unit efficiently delivers a stable and adjustable power source, a microcontroller processes signals from the control unit, governing overall device functionality, an intricately connected motor driver regulates power to a DC motor, designed to receive instructions from both the motor driver and the control unit; a strategically attached duster moves in precise coordination with the DC motor, facilitating thorough surface cleaning and achieving the desired rubbing effect. FIG. 1

No. of Pages : 14 No. of Claims : 10

The Patent Office Journal No. 19/2024 Dated 10/05/2024