

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 27/2024
ISSUE NO. 27/2024

शुक्रवार
FRIDAY

दिनांक: 05/07/2024
DATE: 05/07/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : GESTURE-CONTROLLED AUTONOMOUS FLOOR CLEANING ROBOT FOR EFFICIENT HOUSEHOLD AND COMMERCIAL CLEANING

(51) International classification :A47L0011400000, G06F0003010000, G05D0001020000, G05D0001000000, A47L0011240000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA
 (61) Patent of Addition to :NA
 Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)CMR COLLEGE OF ENGINEERING & TECHNOLOGY
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)B. SURESH RAM
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

2)K. RAVIKIRAM
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

3)K. SATHISH
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

4)K. RAJU
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

5)G.KARTHIKREDDY
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

6)K.SHANKARA VARAPRASAD GOUD
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

7)G. POOJA
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

8)M.NEERAJ
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

9)SYED ARIF
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

10)J. TARA SAI NIKHILA
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

11)R.SUHASINI
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

12)N CHANDANA
 Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----

(57) Abstract :
 GESTURE-CONTROLLED AUTONOMOUS FLOOR CLEANING ROBOT FOR EFFICIENT HOUSEHOLD AND COMMERCIAL CLEANING ABSTRACT Mopping floors is a ubiquitous yet tedious task in household and commercial cleaning routines. The repetitive nature of manual mopping with traditional tools often leads to boredom and can exacerbate health issues, particularly in larger spaces. In response to these challenges, we introduce an innovative solution: an autonomous cleaning robot designed to streamline floor cleaning processes. This robot, controlled by intuitive hand gestures, offers a convenient and efficient alternative to manual mopping. By allowing users to direct its movements, the robot ensures thorough cleaning while minimizing the physical strain associated with traditional methods. Whether in homes, shopping malls, or industrial settings, our robot promises to revolutionize the cleaning experience by autonomously navigating spaces and executing cleaning tasks with precision. This technological advancement not only enhances convenience but also promotes healthier and more efficient cleaning practices for users of all backgrounds.

No. of Pages : 17 No. of Claims : 10