

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 42/2023
ISSUE NO. 42/2023

शुक्रवार
FRIDAY

दिनांक: 20/10/2023
DATE: 20/10/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : A FOOD SPOILAGE DETECTOR SYSTEM AND THE METHOD EMPLOYED THEREOF

<p>(51) International classification :G01N0033000000, A61B0005000000, A61N0001360000, G08B0005360000, G01N0033020000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)CMR College of Engineering & Technology, Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- ----</p> <p>2)Puli Usha Kiran 3)M.Manasa 4)K.Anil kumar 5)P.Gopal goud 6)V. Uma maheshwar Rao 7)G.Karthik Reddy 8)S. Suresh 9)K. Ravi Naik 10)B.Kondalu 11)Pidaparthi Maheshbabu</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Puli Usha Kiran Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 2)M.Manasa Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 3)K.Anil kumar Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 4)P.Gopal goud Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 5)V. Uma maheshwar Rao Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 6)G.Karthik Reddy Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 7)S. Suresh Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 8)K. Ravi Naik Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 9)B.Kondalu Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. ----- 10)Pidaparthi Maheshbabu Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana-501401, India. -----</p>
---	--

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a food spoilage detector system. The system includes a housing configured to accommodate a power source, a gas sensor unit, a micro-controller, a Wi-Fi unit, and an output unit, wherein the gas sensor unit is configured to detect gases emitting from a food source, whereby generating an electrical signal. The microcontroller configured to receive the electrical signal from the gas sensor unit, whereby the microcontroller converts the electrical signal into a digital signal. The Wi-Fi unit configured to receive the digital signal from the microcontroller, and transmit an output through the output unit thereby indicating the status of the food to a user device. FIG. 1

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