

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 46/2017
ISSUE NO. 46/2017

शुक्रवार
FRIDAY

दिनांक: 17/11/2017
DATE: 17/11/2017

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATICALLY CLOSING A SMART BIN DOOR

(51) International classification

:B65D
43/26

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to 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 :CMR College of Engineering & Technology, Kandlakoya, Medchal road, Hyderabad-501401, Telangana, India Telangana India

2)ADITHYA SRINIVAS.V

3)M.SWAMINATHAN

4)MR. C. VEERANJANEYULU

5)MR. T. SUDHAKAR REDDY

(72)Name of Inventor :

1)ADITHYA SRINIVAS.V

2)M.SWAMINATHAN

3)MR. C. VEERANJANEYULU

4)MR. T. SUDHAKAR REDDY

(57) Abstract :

ABSTRACT Exemplary embodiments of the present disclosure are directed towards a system and method for automatically closing a smart bin door. The system includes a garbage bin, with atleast one weight sensor connected to a bottom portion of the garbage bin, whereby the weight sensor measured the total weight of the garbage and atleast one radar level sensor is connected to the bottom portion of the garbage bin for measuring the level of the garbage; and atleast one motion sensor connected to the bottom portion of the garbage bin for detecting the motion of the garbage bin door by means of the garbage bin overfilled with the garbage. The system further includes an automatic door closer unit, having an arduino microprocessor connected to the atleast three sensors, which is further connected to a modem with a SIM (subscriber identification module) for generating information to the municipal office resulting in the garbage bin door clsoing automatically.

No. of Pages : 13 No. of Claims : 5