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(71)Name of Applicant :

**1)Jaipur National University**

Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)Ranveer Singh**

Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur -----

(57) Abstract :

An adaptive container covering device, comprises of an expandable circular platform 1 fabricated with an expandable puller arrangement to fit over the container, an ultrasonic sensor 2 mounted on the platform 1 to detect the brim of the container, multiple telescopic rods 3 each supplied with a suction cup 4 arrayed underneath the platform 1 to position the cups 4 over the brim to secure the platform 1 on brim, a pressure sensor 5 installed on the platform 1 to determine the pressure of steam developed within container, a telescopic bar 11 provided with a lid 12 positioned on the platform 1 to allow steam to escape, an odor sensor 6 integrated on the platform 1 to determine level of cooking, a motorized slider paired with a motorized stirrer 7 to rotate the stirrer 7 in order to prevent food from sticking.

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**Registrar**  
Jaipur National University