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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)Raj Kumar Bargujar**

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

(57) Abstract :

An automated beverage dispensing system, comprising a housing 1 installed with multiple motorized wheels 2 for providing movement within an enclosure, an artificial intelligence based-imaging module 3 installed on housing 1 captures and detects facial expression of user(s) present within enclosure, a touch interactive display panel 4 installed on housing 1 enables user to input details regarding type and quantity of beverage required by user along with sugar quantity to be added, a chamber 5 installed within housing 1 pop up from housing 1 to elevate glass stored within chamber 5, a robotic gripper 6 attached adjacent to chamber 5 for gripping and translating elevated glass, an electronically operated valve attached on a container 8 installed on a platform 7 dispense user-specified amount of sugar, and an electric nozzle 9 configured on a beverage dispensing unit 10 attached within housing 1 dispense users-specified quantity and beverage over dispensed sugar.

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Registrar  
Jaipur National University