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(51) International classification	:H04N0007180000, G06K0009000000, H04N0005232000, G01N0011000000, F01M0011000000	(71) <b>Name of Applicant :</b> <b>1)Chandigarh Group of Colleges, Jhanjeri</b> Address of Applicant :State Highway 12A Jhanjeri, Sahibzada Ajit Singh Nagar, Punjab 140307, India. Punjab India
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(57) Abstract :

A device for extracting excess oil from vegetable gravy, comprising, a container 1 having a perforated first portion 2 and open second portion 3 for collecting excess of oil, a suction unit 9 for sucking the excess of oil, a clamp 4 connected with a L-shaped telescopic rod 5 for fixing the container 1 on the chamber, an artificial intelligence based thermal imaging camera 6 for capturing images of the gravy and excess oil within the gravy, an ultrasonic sensor for monitoring level of the excess oil, a microcontroller associated with the camera 6 and sensor, wherein the microcontroller compares the captured images and monitored excess oil level with a threshold level and on the basis of combined signals received from the camera 6 and sensor generates a command to simultaneously actuate the electronic valve and suction unit 9, and a viscosity sensor for measuring viscosity level of the gravy. Ref Figure 1

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