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(71)Name of Applicant :

1)Chitkara Innovation Incubator Foundation

Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)KAUR, Inderpreet

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----

2)KAUR, Gagandeep

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----

3)SINGH, Amanpreet

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----

(57) Abstract :

The present disclosure discloses an apparatus 100 for facilitating cleaning and sanitizing of edible products. The apparatus 100 can include a casing 102 for accommodating edible products, such as vegetables and fruits. Upon receiving the edible products in the casing 102, a scanning unit 106 may acquire images of the edible products stores, and a control unit 110 analyse the images using an artificial neural network such as convolutional neural network (CNN) to detect severity index of dust particles on the edible products, and correspondingly dispense water stored in a first part of a container 108. In addition, a sensor 114 configured to detected microorganism on the edible products, and correspondingly dispense disinfectant from a second part of the container 108 to sanitize the edible products.

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