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(54) Title of the invention : SMART VEGETABLE SLICING DEVICE

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(57) Abstract :

The present invention relates to a smart vegetable slicing device comprising of a body 1 configured with a rotating basket 2, stores vegetables for washing and flips around to discharge the washed vegetables, a faucet sensor 3 actuates a faucet valve to wash the vegetables, an ultrasonic washer 5 removes dust from the vegetables, a conveyer belt 6 in combination with an air blower 7 for receiving washed vegetables on the conveyer 6, wherein the blower 7 dries the discharged vegetables, a hyperspectral imaging unit 8 for detecting damaged vegetables and generates a command to the gripper 9 to remove the damaged vegetable from the conveyer 6, a knife assembly 10 for peeling and slicing the vegetables, wherein the spoons 11 collect the sliced vegetables, a pair of motorized rollers 13 for sorting the peels from the vegetables. Ref Figure 1

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