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(57) Abstract :

The present invention relates to a smart mushroom sorting device comprising of a body 1 attached with a first telescopic arm 2, that picks and place different types of mushrooms, an artificial intelligence (AI) based camera 3 for capturing images of the mushrooms and generates a command to a motor, a sorter conveyer 4 for receiving the picked mushrooms and sorting the mushrooms as edible and poisonous, plurality of chambers 7 for storing the sorted mushrooms, a second telescopic arm 5 in association with a blade 6 for picking the edible mushroom, wherein the blade 6 cuts stalk of the edible mushroom, a container for storing the cut edible portion, a suction pump in association with a refrigerant for creating vacuum within the container 8, wherein the refrigerant creates cooling within the container 8 to prevent rotting of the edible mushrooms. Ref Figure 1

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