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(57) Abstract :

The present invention discloses a system (100) for controlling an unmanned aircraft vehicle (102) (UAV) for harvesting items such as fruits and vegetables from trees. The system (100) includes sensors (104) to detect attributes such as color, skin or the like, and the detected attributes are analysed by a machine learning engine to identify ripeness stage of the item. Upon identifying the item ripe, the control unit activates a harvesting unit (110) to harvest or pluck the item from the tree, and stores the item in a container (112) positioned at the UAV (102). Additionally, upon detection of the item unripe, information is stored at a server (114), which enables one or more entities to check the ripeness stage of the items easily through a mobile computing device.

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