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(57) Abstract :

The present disclosure relates to system (100) for monitoring plants in a garden, the system including an image capturing device (102) configured to obtain a plurality of images of one or more plants (104) in the garden, one or more sensors (106) located in soil of each of the one or more plants, and configured to detect a plurality of physical attributes of the soil. A transceiver (114) adapted to receive the plurality of physical attributes of the soil from the one or more sensors. A processor (112) operatively coupled to the image capturing device, the transceiver, and a motor, the processor configured to operate one or more valves for a predetermined period of time to allow a predetermined quantity of the water, the predetermined quantity determined as being required to water the specified one or more plants.

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