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(54) Title of the invention : SOIL FERTILITY DETERMINATION DEVICE

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(57) Abstract :

A device (100) for analyzing soil in real time is disclosed, the device (100) includes a set of sensors (204) configured to detect a plurality of attributes such as Nitrogen, Phosphorous, Potassium, and the likes of soil. The device (100) includes a display unit (104) configured to display values of the plurality of attributes received from the set of sensors (204), and a processing unit (208) configured to received values from the set of sensors (204), compare the received values with pre-stored threshold values and accordingly determining one or more soil characteristics which are displayed on the display unit (104) in real-time. Also, the device (100) provide and display recommendations related to soil fertility to assist a user for planting crops.

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