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(57) Abstract :

An automated flower bed boundary construction device, comprises of a platform 1 positioned in proximity to a flower bed grown with multiple flowers, a touch enabled screen 2 installed on the platform 1 to give input commands for constructing boundary around the flower bed, along with specifying depth of the boundary to be constructed, a camera 3 mounted on the platform 1 via a rod 4 for capturing multiple images of the flower bed, a motorized blade 5 connected with the platform 1 via an L-shaped telescopically operated bar 6, for digging a boundary of the user-specified depth, four motorized omnidirectional wheels 7 configured underneath the platform 1 for manoeuvring the platform 1 as per the detected shape and dimensions of the flower bed, and a suction unit 8 configured with the platform 1 to withdraw soil removed from boundary in a chamber 9 paired with the suction unit 8.

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