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(57) Abstract :

A user-controlled plant nurturing device, comprising a body 1 developed to be positioned on a ground surface, an artificial intelligence-based imaging unit 2 installed on body 1 for capturing multiple images in vicinity of body 1, to determine position of a plant, a pair of C-shaped clamps 3 arranged on front portion of body 1 to acquire a grip around plant at evaluated circumference, an electronically controlled nozzle 6 assembled on clamps and interconnected with a water reservoir 7 configured with body 1 for dispensing water on dig circumference in order to allow diffusion of an appropriate amount of water towards root of plant and a fertilizer storing chamber 8 is positioned on sliding unit 4 and integrated with a sprinkler 9 to sprinkle fertilizer to provide nourishment to plant.

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