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(57) Abstract :
An adaptable grass trimming device comprises of a body 1 developed to be positioned on a ground surface, a touch interactive display panel 2 that is accessed by a user for providing input regarding length of grass to be maintained over different areas of the surface, an artificial intelligence-based imaging unit 3 installed on the body 1 for capturing and processing multiple surrounding images to determine dimensions of the user-specified areas, a holographic projector 4 mapped on the body 1 to project a virtual image over one of the user-specified area at which an equal length of grass is to be trimmed in order to highlight area on the surface, a motorized blade 7 integrated on the rod 5 for trimming the grasses from the appropriate length, multiple track wheels 8 arranged underneath the body 1 to move the body 1 along the highlighted area.

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