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(57) Abstract :

A frame 1 having plurality of motorized wheels 2 that provides movement to the frame 1 across tiles, an AI enabled camera 3 for capturing/scanning images of size and position of the tiles and microcontroller generates a command to actuate the motorized wheels 2, an expandable blade unit 4 for cutting adhesive fastening the tiles, plurality of telescopically operated blades 6 for removing tiles as per size detected by the camera 3, a PIR sensor 8 for detecting unevenness on surface after removal of the tiles, a motorized flap unit 9 for smoothing the surface by removing dust/dirt/sand/ cement accumulated after removal of the tiles. Ref Figure 1

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