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(57) Abstract :

An assistive tiles installation device, comprises a frame 1 having multiple motorized wheels 2 for movement of frame 1, telescopic bars 3 for altering height of the frame 1, an AI based imaging unit 4 for capturing the images of area, a sliding unit 5 for arranging multiple perforated hollow pipes 6, a primary nozzle 7 installed with glue reservoir 8 for ejecting glue, a mixing chamber 9 used to make glue mixture, a multi-sectioned compartment 11 for storing multiple colors, a motorized stirrer 12 used to mix the color and glue, ECV used to flow the glue mixture from mixing chamber 9 to hollow pipes 6, a primary robotic link 14 attached with boiler to dry the mixture, a secondary robotic link 15 attached with motorized scrubber to remove the deformation on alignment of tiles, a vibrating unit 17 is used to settled the glue mixture between the tiles.

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