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(57) Abstract :

A plaster patching device comprises of a body 1 installed with multiple wheels 2 for moving body 1 along length of wall, an image capturing module 3 for capturing multiple images of wall to detect positioning of a chipped patch of plaster over wall, a plate 7 for operating further operation of wall repairing, a rod 4 for extending and positioning plate 7 on detected patch, multiple blades 6 to remove chipped plaster from wall, a sliding unit 5 to providing movement to blades 6, a chamber 8 for storing a plaster mixture, a valve 9 for dispensing the plaster mixture over wall, a roller 10 to spread the mixture evenly over wall, a robotic gripper 11 to grip the roller 10, a color sensor 12 to detect color of paint layered over the wall and multiple nozzles 13 to dispense the detected color paint over the roller 10.

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