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(71)Name of Applicant :

1)Chandigarh Group of Colleges, Jhanjeri

Address of Applicant :State Highway 12A Jhanjeri, Sahibzada,
Ajit Singh Nagar, Punjab 140307, India. Punjab India

(72)Name of Inventor :

1)Vineet Pandey

2)Akanksha Thakur

3)Vivek Chahar

4)Hasimranjeet Singh

(57) Abstract :

The present invention relates to an automated wooden floor repairing device, comprising a body 1 configured with multiple wheels 2 to maneuver the body 1, an artificial intelligence image capturing module 3 associated with a microcontroller and ultrasonic sensor to detect the level of damages caused on the surface of the floor, a chamber 4 divided into multiple compartments 5, 6, 7 for storing wooden powder and glue, a stirrer 8 attached within a third compartment 7 integrated with an electronically controlled nozzle 9 to mix and dispense the wooden powder and glue, a motorized telescopic spatula 10 positioned at the base of the body 1 to spread the mixture on the determined depression/crack and a robotic plier 12 integrated within the body 1 via a hydraulic piston to plug out and plug in nails from the wooden floor.

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