

(54) Title of the invention : AUTOMATED WOOD SMOOTHENING DEVICE

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(57) Abstract :

An automated wood smoothening device comprises of a platform 1 mounted with a display panel 2 that is accessed by a user for providing input regarding a wooden surface that is to be smoothened, an imaging unit 3 for capturing and processing multiple surrounding images, multiple motorized wheels 4 for moving platform 1 towards location, a telescopically operated rod 5 for extending/retracting for positioning platform 1 in proximity to wooden surface, a plate 6 mounted on platform 1 via a scotch and yoke arrangement 7, an ultrasonic sensor for monitoring shape of surface, multiple motorized hinge joints for tilting plate 6 for acquiring shape of surface and multiple blades 8 integrated underneath plate 6 for shaving surface off any extra depositions in order to smoothen surface.

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