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<p>(51) International classification :G03G0015200000, B25J0015000000, B65B0005100000, B08B0001000000, B25J0018020000</p> <p>(86) International Application No Filing Date :NA :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)Jaipur National University Address of Applicant :Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Anu Singh Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>2)Om Prakash Singh Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>3)Prashant Kumar Sharma Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p> <p>4)Rachana Yadav Address of Applicant :School of Engineering & Technology, Jaipur National University, Jaipur-Agra Bypass, Near New RTO office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur ----- -----</p>
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(57) Abstract :

A strip fixing device for wooden boards comprises of a platform 1 configured with a rotatable base 2 for placing a wooden board that user requires to secure from side portions, an artificial intelligence-based imaging module 3 for detecting placement and dimensions of the board, a telescopically operated suction cups 4 attached with an L-shaped for gripping the board over base 2, a container 6 filled with an adhesive solution for fixing sun-mica strip over board and a robotic arm 7 equipped with a brush 8 for applying adhesive over specific side portion of board, a motorized slider 9 for translating rod 5 over slider, a roller 10 wrapped with a flexible sun mica strip for covering sides of board and a telescopic gripper 11 for gripping a free end of strip and extend towards the board to paste strip with a specific side of board.

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