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<p>(51) International classification :G01N0035000000, H04N0005225000, B05C0005020000, B08B0015040000, B60C0019000000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :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)Rahul Saxena 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)Vikas Bansal 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)Puneet Kalia 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)Alok Raj 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 secured tire management system for two-wheeler comprising of a C-shaped body 1 which is positioned between front tire and mudguard of two-wheeler for cleaning the dust, a pair of suction cup 2 for gripping the body 1, an artificial intelligence enabled image capturing module 4 for capturing multiple images of tire, multiple pneumatic bristles 5 for removing dust from tire, an electronic nozzle 6 for dispensing a soap solution on the tire, a speaker for notify the user, a touch enabled screen 3 for giving input commands, a laser emitter 14 for emitting a laser beam at hole, a rubber strip for filling the hole, a motorized blade for cutting strip, an ECV(Electronically Controlled Valve) 7 for dispensing adhesive solution, a secondary roller 12 wrapped with a treaded strap for providing a proper gripping, a pair of motorized gripper 13 for gripping free end of the strap.

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