(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/02/2024

(21) Application No.202411014835 A
(43) Publication Date : 08/03/2024

(54) Title of the invention : AUTONOMOUS DELIVERY BIKE

(51) International classification :G05D0001020000, G06Q0010080000, G06Q0050280000, G01L0003100000, G05D0001000000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT Autonomous Delivery Bike The present disclosure introduces an autonomous delivery bike 100 pioneering innovation in last-mile delivery services, seamlessly merging cutting-edge technologies for secure, efficient, and environmentally conscious operations. Equipped with advanced sensors, including LIDAR 102, RADAR 104, Ultrasonic sensor 106, GNSS 108, and a high-resolution Camera 110, the bike autonomously navigates through urban landscapes, ensuring optimal route planning, obstacle detection, and situational awareness. The integration of an Angle and Torque sensor 112, Wheel Odometer 114, and an Onboard Computer 116 facilitates precise control, stability, and real-time decision-making. With eco-friendly features and the ability to cover long distances, the bike offers a sustainable system for delivering goods. REFERENCE FIG 1

No. of Pages : 23 No. of Claims : 10