

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311008565 A

(19) INDIA

(22) Date of filing of Application :09/02/2023

(43) Publication Date : 17/02/2023

(54) Title of the invention : AUTOMATE WAREHOUSE INVENTORY SYSTEM BASED ON UNMANNED AIRCRAFT AND ARTIFICIAL INTELLIGENCE TECHNOLOGY

<p>(51) International classification :G06Q0010080000, G06Q0010100000, B64C0039020000, G06F0016230000, G06T0011600000</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 : <b>1)PRAGYA</b> Address of Applicant :GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, GREATER NOIDA, 332001 ----- <b>2)ARADHNA SAINI</b> <b>3)KIRTI</b> <b>4)RIFA NIZAM KHAN</b> <b>5)HIMANI SHARMA</b> <b>6)GARIMA DHAWAN</b> <b>7)ANUSHKA SHIVHARE</b> <b>8)NIDHI GUPTA</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)PRAGYA</b> Address of Applicant :GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, GREATER NOIDA, 332001 ----- <b>2)ARADHNA SAINI</b> Address of Applicant :GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, GREATER NOIDA, 332001 ----- <b>3)KIRTI</b> Address of Applicant :GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, GREATER NOIDA, 332001 ----- <b>4)RIFA NIZAM KHAN</b> Address of Applicant :JAMIA MILLIA ISLAMIA UNIVERSITY, DELHI- 110025 ----- <b>5)HIMANI SHARMA</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, GREATER NOIDA, 332001 ----- <b>6)GARIMA DHAWAN</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, GREATER NOIDA, 332001 ----- <b>7)ANUSHKA SHIVHARE</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, GREATER NOIDA, 332001 ----- <b>8)NIDHI GUPTA</b> Address of Applicant :GL BAJAJ INSTITUTE OF TECHNOLOGY AND MANAGEMENT, GREATER NOIDA, 332001 -----</p>
---	--

(57) Abstract :

The present invention provides an automate warehouse inventory system (100) based on unmanned aircraft and artificial intelligence technology comprise of, an input module (1) for receiving a set of input images related to inventory from a camera placed in an unmanned aircraft (3), a digital processing module (2) connected with the input module (1) for performing a set of operations on the input images to detect one or more inventory products via one or more artificial intelligence techniques, an output module linked with the digital processing module (2) for displaying the detected one or more inventory products to an operator of the system (100).

No. of Pages : 28 No. of Claims : 8