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| <p>(51) International classification :A01M0007000000, A63B0047020000, B05B0013000000, B05B0009040000, A01M0011000000</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)Dr. R. RAMAN Address of Applicant :Associate Professor , Department of ECE, Aditya College Of Engineering, Surampalem, Kakinada, Andhra Pradesh, 533437 -----</p> <p>2)Dr. Shailesh Kumar Singh 3)Anant Prakash Agrawal 4)Mr. Sachendra 5)Mr. Kuldeep Singh 6)Mr. Ajay Pratap Singh 7)Miss. Bhawana Chaudhary</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. R. RAMAN Address of Applicant :Associate Professor , Department of ECE, Aditya College Of Engineering, Surampalem, Kakinada, Andhra Pradesh, 533437 -----</p> <p>2)Dr. Shailesh Kumar Singh Address of Applicant :Associate Professor, Mechanical Engineering, Dronacharya Group of Institutions, B-27, Knowledge Park III, Greater Noida, Uttar Pradesh-201306, India -----</p> <p>3)Anant Prakash Agrawal Address of Applicant :Assistant Professor, Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh, India -----</p> <p>4)Mr. Sachendra Address of Applicant :Assistant Professor, Mechanical Engineering , Krishna Engineering College, 95, Loni Road, Between Mohan Nagar & Hindon Air Force Station, Ghaziabad, Uttar Pradesh 201007 -----</p> <p>5)Mr. Kuldeep Singh Address of Applicant :Assistant Professor, Mechanical Engineering , KIET Group of Institutions, Delhi-NCR GHAZIABAD 13KM STONE DELHI-MEERUT ROAD NH-58, Uttar Pradesh -----</p> <p>6)Mr. Ajay Pratap Singh Address of Applicant :Assistant Professor, Mechanical Engineering , Ajay Kumar Garg Engineering College, Ghaziabad, Uttar Pradesh -----</p> <p>7)Miss. Bhawana Chaudhary Address of Applicant :Assistant Professor, Electronics and Communication Engineering, Bhagwati Institute of Technology & Science, Ghaziabad, Uttar Pradesh -----</p> |
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(57) Abstract :

The invention deals with the automation of work in the agriculture. The invention aims at use of same apparatus for two processes viz. pesticide spraying and cotton ball picking. The present invention relates to an IOT based cotton picker cum boom sprayer. Said device comprising mainly of Sensors, Shafts, Keys, Blower system, Pulleys, Belts, Bearing, conveyer system; herein engine transfers power to blower and reciprocating pump and the Storage tank is used for storing cotton and the capacity of storage tank is preferably 50 litres. Hose pipe is used for picking cotton and Boom kit is connected to reciprocating pump; The boom consists of six nozzles to carry spraying operation in six rows at a time.

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