

(54) Title of the invention : IOT BASED SMART HYDROPONICS IRRIGATION SYSTEM FOR AGRICULTURE

(51) International classification :A01G0025160000, A01G0031020000, H04L0009320000, A01G0031000000, H04L0009300000

(86) International Application No :PCT//
Filing Date :01/01/1900

(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

(71)Name of Applicant :
1)PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
 Address of Applicant :NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
2)DR.K.K.RAMASAMY
3)DR.M.PREMKUMAR
4)DR.K.SELVI
5)DR. M. SUDHA
6)MRS.E.SANGEETHA
 Name of Applicant : NA
 Address of Applicant : NA
 (72)Name of Inventor :
1)KAVIYAA.K
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
2)HEMALATHA.M
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
3)KESAVARTHINI.P
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
4)KAVIYA R
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
5)LAKSHAYA.R
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
6)LAKSHMI PRABHA S
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
7)ARUN.E
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
8)GOPINATH.P
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----
9)BHARATH.S
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PACHAL, NAMAKKAL – 637408, TAMIL NADU, INDIA. NAMAKKAL -----

(57) Abstract :
 IOT based smart hydroponics irrigation system for agriculture is the proposed invention. The proposed system is designed for monitoring and controlling system which can easy to monitoring and controlling system. The system can sense the hydroponic device's environment in a real-time it gives the stable way and also transmit the real time data which is temperature, humidity, light intensity, pH level.

No. of Pages : 14 No. of Claims : 8