

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041021804 A

(19) INDIA

(22) Date of filing of Application :25/05/2020

(43) Publication Date : 05/06/2020

(54) Title of the invention : SMART IRRIGATION SYSTEM FOR AGRICULTURAL PURPOSES

<p>(51) International classification :A01G0025160000, A01G0025090000, G06Q0050020000, G06Q0010060000, C12M0001107000</p> <p>(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (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</p>	<p>(71)Name of Applicant : 1)Dr.G.Charles Babu Address of Applicant :Department of CSE, Malla Reddy Engineering College (Autonomous), Maisammaguda, Secunderabad 500100 Telangana State India Telangana India</p> <p>2)Dr.R. P. Ram Kumar 3)Mr.S.Ajay Kumar 4)Mr.K.V.Raghavender 5)Mr.Kandru Arun Kumar 6)Mr. Pasam Venkateshwar Rao 7)Mr.Mohammed Inayathulla 8)Mr.Y.Rokesh Kumar 9)Mr.Goski Sathish 10)Mr.Ailuri Venkatrami Reddy 11)Mr.Kunduru Saidi Reddy</p> <p>(72)Name of Inventor : 1)Dr.G.Charles Babu 2)Dr.R. P. Ram Kumar 3)Mr.S.Ajay Kumar 4)Mr.K.V.Raghavender 5)Mr.Kandru Arun Kumar 6)Mr. Pasam Venkateshwar Rao 7)Mr.Mohammed Inayathulla 8)Mr.Y.Rokesh Kumar 9)Mr.Goski Sathish 10)Mr.Ailuri Venkatrami Reddy 11)Mr.Kunduru Saidi Reddy</p>
---	--

(57) Abstract :

Agriculture is an important aspect of countries like India. The major occupation of Indian population depends upon agriculture for their livelihood almost 58% of rural household. The prosperity and economic condition of the country mainly depends upon the growth in agriculture to the large extent. All over the world, India is the second largest producer of food. Worldwide it is the second largest food producer. But currently most of the farmers are quitting agriculture due to many reasons such as lack of labors, water scarcity, less prices etc. In this major reason for quitting is the lack of labors so it is difficult to maintain irrigation system in the agricultural field. In order to overcome these issues, in this project the irrigation system is controlled by using remote control so that the farmer can maintain their fields without any labors help. Due to this proper irrigation system can be maintained and water can be saved to the greater extend. The concept of remote-controlled irrigation system with the help of voice commands was designed prior.

No. of Pages : 8 No. of Claims : 7