

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041049010 A

(19) INDIA

(22) Date of filing of Application :10/11/2020

(43) Publication Date : 20/11/2020

(54) Title of the invention : FARMERS HELPING HAND 2.0: A NEW TECHNOLOGICAL SYSTEM FOR MONITORING AND PROTECTING THE AGRICULTURAL FIELD IN ALL WEATHERS

(51) International classification :G06Q10/10
(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

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(57) Abstract :

As new technologies have been introduced and utilized in modern world, there is a need to bring advancement in the field of agriculture also. Various Researches have been undergone to improve crop cultivation and have been widely used. In order to improve the crop productivity efficiently, it is necessary to protect the crop field from animals and fire environmental conditions in and around the field. The parameters that have to be properly monitored to enhance the yield are soil characteristics, weather conditions, moisture, temperature, etc., Internet of Things (IOT) is being used in several real time applications. The introduction of IoT along with the sensor network in agriculture refurbishes the traditional way of farming. Online crop monitoring using IOT helps the farmers to stay connected to his field from anywhere and anytime. Various sensors are used to monitor and collect information about the field conditions. Collectively the crop field condition is sent to the farmer through GSM technology.

No. of Pages : 4 No. of Claims : 5