

(54) Title of the invention : SYSTEM FOR MANAGING AGRICULTURAL PARAMETERS AND LIVESTOCK AND METHOD THEREOF

<p>(51) International classification :H04L0067100000, H04W0004380000, H04W0004700000, H04L0067109700, G01D0021020000</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)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)WADHWA, Heena Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)KAUR, Mandeep Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)OO, Htet Ne Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>4)NELSON, Leema Address of Applicant :CURIN, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
---	---

(57) Abstract :

The present disclosure relates generally to data transmission in agriculture field. More specifically the present disclosure relates to system for managing agricultural parameters and livestock. The system (100) includes one or more sensors (102), a controller (104), a cloud server (110), one or more wireless devices (112) and a fog computing layer (106) including a communication network (108). The fog computing layer (108) with the communication network (108) is configured to analyze and classify the sensor data locally before sending the data to the cloud server (110) for further analysis. The cloud server (110) is a centralized structure to compute, store and transmit sensor data to the users. Further the present disclosure relates to a method for managing agricultural parameters and livestock. Advantageously the present disclosure relates to a system for managing agricultural parameters and livestock with fog computing to reduce response time and optimized for greater scalability and adaptability.

No. of Pages : 28 No. of Claims : 10