(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/10/2022

(21) Application No.202211057669 A
(43) Publication Date : 30/12/2022

(54) Title of the invention : SYSTEM AND METHOD FOR MAKING VERTICAL PROFILE OF TEMPERATURE IN THE GLACIATED REGION

(51) International classification	:E21B0047090000, G01W0001020000, A61B0005110000, A61B0005024000, A61B0005160000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Chitkara University
Address of Applicant :Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan ---------- ----------
2)Chitkara Innovation Incubator Foundation
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)GUHA, Supratim
Address of Applicant :Pumliya Purbapara, Chakdaha, Nadia - 741222, West Bengal, India. Nadia ---------- ----------
2)GAIKWAD, Deepali
Address of Applicant :P 68, Priyanka Nagar, Nayapura, Kolar Road, Bhopal - 462042, Madhya Pradesh, India. Bhopal ---------- ----------
3)SURESH, Arvind K
Address of Applicant :Kairali, Agasthya Gardens, Peyad P.O, Trivandrum, Kerala - 695573, India. Trivandrum ---------- ----------
4)SHYLU, Aarthi
Address of Applicant :Mohana Bhavan, TC 42/459, Vallakadavu P.O, Trivandrum, Kerala - 695008, India. Trivandrum ---------- ----------
5)GHOSH, Tanisha
Address of Applicant :2nd Floor, Tribhawan, Indira Path, Shukla Colony, Hinoo, Ranchi - 834002, Jharkhand, India. Ranchi ---------- ----------
6)SINGH, Sartajvir
Address of Applicant :Associate Professor, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan ---------- ----------
7)TIWARI, Reet Kamal
Address of Applicant :Ram Kutir Arsandey, Boreya, Kanke, Jharkhand - 834006, India. Kanke ---------- ----------

(57) Abstract :
The present disclosure relates to a system (100) for measuring vertical temperature profile, the system includes a meteorological station (102) mounted above the surface of a region of interest. A first set of sensors (104) adapted to capture a first set of data of the region of interest. A second set of sensors (108) adapted to detect the second set of data. A microcontroller (110) configured to receive the first set of data and the second set of data to measure a vertical temperature profile. A data logger unit (112) adapted to store the set of data and a data transfer unit (120) adapted to receive the first set of data and the second set of data from the data logger unit and transfers first set of data and the second set of data to a remote user.

No. of Pages : 20 No. of Claims : 10