पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 46/2020	शुक्रवार	दिनांक: 13/11/2020
ISSUE NO. 46/2020	FRIDAY	DATE: 13/11/2020

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/11/2020

(21) Application No.202011047662 A
(43) Publication Date : 13/11/2020

(54) Title of the invention : A PROCESSING SYSTEM HAVING MACHINE LEARNING INTERFACE FOR SOLAR RADIATION ESTIMATION

(51) International classification	:G07C 5/08 G06Q 10/06 A61B 5/107
(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 :
The present invention discloses a processing system 100 having machine learning for solar radiation estimation, in a pre-determined territory over predefined time intervals to form an optimized input data values. The system 100 includes a processing unit 102; multiple transducers 106 to measure current solar radiation parameters; a display device 108 to show output data values; and a memory 104 disposed in communication with the processing unit 102 and storing processing unit executable instructions. Further, the instructions comprising instructions to: a data acquisition unit, which consists of the plurality of transducers 106 and record the desired data and convert it in a desired format and presented to the processor; further, the processing unit is connected with the display device 108 and the set of interfaces with the hardware.

No. of Pages : 20 No. of Claims : 9