

(54) Title of the invention : SYSTEM FOR CROP HEALTH ASSESSMENT AND MONITORING WITH INCORPORATING WEATHER FORECASTING DATA USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

(51) International classification :G06K0009620000, G16H0050300000, G06N0020000000, G06K0009460000, G16H0050200000

(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

(71)Name of Applicant :
1)Prof.(Dr.) R.K. Bathla
 Address of Applicant :Professor, Department of Computer Science, Desh Bhagat University, Punjab, India -----

2)Dr. Ajay Jangra
3)Prof. Sunil Kr Pandey
4)Dr. Surender Kumar
5)Dr. Harish Kumar
6)Piyush Gupta
7)Dr. Umesh Sehgal
8)Nida Rahat
9)Er. Amanpreet Singh
10)Er.Rajinder Kumar
11)Varun Sharma
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Prof.(Dr.) R.K. Bathla
 Address of Applicant :Professor, Department of Computer Science, Desh Bhagat University, Punjab, India -----

2)Dr. Ajay Jangra
 Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India -----

3)Prof. Sunil Kr Pandey
 Address of Applicant :Professor & Director (IT & UG), Department of Information Technology, Institute of Technology & Science, Ghaziabad, India -----

4)Dr. Surender Kumar
 Address of Applicant :Head/Assistant Professor, P.G. Department of Computer Science, Sri Guru Teg Bahadur Khalsa College Sri Anandpur Sahib (An Autonomous College), Punjab, India -----

5)Dr. Harish Kumar
 Address of Applicant :Associate Professor, Department of Computer Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, India -----

6)Piyush Gupta
 Address of Applicant :Assistant Professor, Department of Computer Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, India -----

7)Dr. Umesh Sehgal
 Address of Applicant :Associate Professor, Department of Computer Science and Application, Sant Baba Bhag Singh University, Jalandhar, Punjab, India -----

8)Nida Rahat
 Address of Applicant :Assistant Professor, Department of Computer Science, Islamia Girls College, Malerkotla, Punjab, India -----

9)Er. Amanpreet Singh
 Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, College of Engineering and Management Punjabi University Neighborhood Campus, Rampura Phul, Punjab, India -----

10)Er.Rajinder Kumar
 Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjabi University, Punjab, India -----

11)Varun Sharma
 Address of Applicant :Assistant Professor, Department of Computer Science, Guru Nanak Dev University College, Punjab, India -----

(57) Abstract :
 The present invention relates to System for crop health assessment and monitoring with incorporating weather forecasting data using artificial intelligence and machine learning. The objective of the present invention is to solve the problems in the prior art technologies related to intelligent crop disease identification and monitoring.

No. of Pages : 29 No. of Claims : 7