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<p>(51) International classification :G06K0009620000, G06T0007000000, G06K0009000000, H04N0021234300, H04L0029080000</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 : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p><b>2)Chitkara Innovation Incubator Foundation</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)LILHORE, Umesh Kumar</b> Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----</p> <p><b>2)SIMAIYA, Sarita</b> Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----</p>
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(57) Abstract :

The present disclosure discloses a system and method for detecting plant diseases, which involves acquiring (302), through image acquisition units, a set of multimedia frames of an Area of Interest (AOI) pertaining to a part of a plant. Further, it involves extracting (304), at a detecting unit coupled with a learning module, a first set of parameters, of said part of the plant, from the set of multimedia frames, and correspondingly creating a fully connected layer; then selecting (306) a second set of parameters from the first set of parameters, and replacing the fully connected layer with a global average pooling layer based on the second set of parameters. Furthermore, it involves classifying (308) said part of the plant into normal or defective by taking into consideration the global average pooling layer, wherein the classification is carried out based on detection of diseases associated with said part of the plant.

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