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INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

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(57) Abstract :

The present invention provides an integrated disease diagnosis and organic solution sprayer for farmers to manage crop health more effectively and sustainably. It uses a small flying machine, called an Unmanned Vehicle, to check the condition of plants in a field and apply treatments only where necessary. The Unmanned Vehicle takes pictures of the crops, identifies areas that might have diseases, and suggests solutions. Farmers can choose between natural, eco-friendly remedies or chemical treatments depending on their farming preferences. One unique feature of this invention is that the Unmanned Vehicle can prepare and mix natural treatments, like plant-based sprays or bio-fertilizers, while it is flying. It then sprays the solution directly on the affected plants, ensuring only the sick areas are treated. This not only saves time and effort but also reduces waste and avoids unnecessary spraying of healthy plants.

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