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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 :
ABSTRACT A device for determining moisture content of a mulberry leaf comprising a sensing unit comprising a parallel plate capacitor, an electronic circuitry comprising a charging circuit and a discharging circuit along with the parallel plate capacitor, a comparator for providing digital outputs from voltage inputs of the charging and discharging circuits, a microcontroller processing the digital outputs by using a set of preprogrammed instructions and a display unit for data interpretation, wherein an average time taken for the capacitor to charge to 0.632 times to that of a maximum power supply voltage and then discharging completely is determined by repeating the charging and discharging the capacitor for at least 5 times in the microcontroller. In an embodiment, the average time is determined before and after placing the leaf in the sensing unit which provides different dielectric mediums comprising air and the mulberry leaf.

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