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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 :
An smart automatic waste segregator for mixed waste 100 comprising: a hopper unit 101 where a mixed waste feed is fed to begin the waste separation method; a magnetic metal separation unit 102 configured with neodymium magnets are used to separate magnetic or ferrous metal pieces from the mixed waste feed; a non-magnetic metal separation unit 103 configured with a lead screw and a pair of proximity inductive sensors are used to remove a non-magnetic or non-ferrous metal from the waste of the magnetic metal separation unit 102; a blower unit 104 to partially segregate a light weight particle from the waste of the non-magnetic metal separation unit 103 to obtain a partially purified organic waste; and an organic waste separation unit 105 to partially purified organic waste is washed with water to remove fine impurities, wherein the automatic waste segregator for mixed waste with a neodymium magnet and a proximity sensor is used to obtain an increase in a purity of organic waste.

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