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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 :

Title:Synthesis of Copper Nanoparticles from Copper Recovered from E-waste ABSTRACT A method of a synthesis of copper nanoparticles from copper recovered from E-waste100 comprising:subjecting a recovered copper from a e-wasteto a oxidation with Hcl and H2O2 to obtain a copper (II) chloride solution which forms the precursor for synthesis ofcopper nanoparticles (101); and adding the obtained copper (II) chloride solution in water with a ascorbic acid with constant supply of heat to obtain a copper nanoparticles (102);wherein the synthesis of copper nanoparticles is from copper recovered from E-wastewhich is a two-step process with a pre-treatment including cleaning, de-enameling and size reductionto as low as 2 nm. << FIG. 1>>

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