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(71)Name of Applicant :

1)Dr. R. VARAHAMOORTHY

Address of Applicant :Professor of Manufacturing Engineering Department, Annamalai University, Chidambaram - 608002 Chidambaram -----

2)MR. M. VIJAYANAND

3)DR. P. MARICHAMY

4)MR. A. UMESHBALA

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. R. VARAHAMOORTHY

Address of Applicant :Professor of Manufacturing Engineering Department, Annamalai University, Chidambaram - 608002 Chidambaram -----

2)MR. M. VIJAYANAND

Address of Applicant :Research Scholar Manufacturing Engineering Department, Annamalai University, Chidambaram - 608002 Chidambaram -----

3)DR. P. MARICHAMY

Address of Applicant :Professor and Dean PSR Engineering College, Sivakasi - 626140 Sivakasi -----

4)MR. A. UMESHBALA

Address of Applicant :Research Scholar Manufacturing Engineering Department, Annamalai University, Chidambaram - 608002 Chidambaram -----

(57) Abstract :

The present invention relates to a method of electroless plating using an eco-friendly stabilizer, which comprises the following steps:
i) preparing an aqueous solution for electroless nickel-boron coatings which comprises of the source of nickel ion, reducing agent, stabilizer, complexing agent, with and without amphoteric surfactant. ii) placing a disc substrate of 7075-T6 aluminium alloy with a composition of Si 0.4, Fe 0.5, Cu 2.0, Mn 0.3, Mg 2.9, Cr 0.28, Zn 6.1, Ti 0.2, and rest Al in weight percentage having a size of diameter 25 mm × thickness 5 mm, in the said aqueous solution. iii) preparing the deposition of the said electroless nickel-boron coatings after double zincating pre-treatment for 90 min without the said aqueous solution replenishment in a non-agitated freshly prepared electrolyte bath

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