World Academy of Science, Engineering and Technology International Journal of Materials and Metallurgical Engineering Vol:10, No:05, 2016

The Effectiveness of Bismuth Addition to Retard the Intermetallic Compound Formation

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Abstract : The aim of this paper is to study the effectiveness of bismuth addition in the solder alloy to retard the intermetallic compound formation and growth. In this study, three categories of solders such as Sn-4Ag-xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<em xxxxx<em xx<em x<em x<

Keywords: Bismuth addition, intermetallic compound, composition, morphology

Conference Title: ICMME 2016: International Conference on Metallurgical and Materials Engineering

Conference Location : Tokyo, Japan **Conference Dates :** May 26-27, 2016