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Eldridge et al.

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[54] **METHOD AND APPARATUS FOR APPLYING A LAYER OF FLOWABLE COATING MATERIAL TO A SURFACE OF AN ELECTRONIC COMPONENT**

[58] Field of Search 427/96, 240, 126.2; 118/500

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[21] Appl. No.: **08/854,203**

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Related U.S. Application Data

[63] Continuation-in-part of application No. 08/554,902, Nov. 9, 1995, application No. PCT/US95/14844, Nov. 13, 1995, application No. 08/452,255, May 26, 1995, application No. PCT/US95/14909, Nov. 13, 1995, said application No. 08/452,255, and application No. PCT/US95/14909, each is a continuation-in-part of application No.08/340,144, Nov. 15, 1994, and application No. PCT/US94/13373, Nov. 16, 1994, said application No. 08/340,144, and application No. PCT/US94/13373, each is a continuation-in-part of application No.08/152,812, Nov. 16, 1993, Pat. No. 5,476,211.

[57] **ABSTRACT**

A flowable coating material, such as a liquid having solids in suspension, such as spin-on glass, is applied to a surface of an electronic component by placing the component in a centrifuge and spinning the component about a first axis so that the liquid material is forced against the surface of the component. The component may also be rotated about its own axis so that the liquid material is distributed along the surface of the component.

[51] Int. Cl.⁶ **B05D 5/12**

16 Claims, 4 Drawing Sheets

[52] U.S. Cl. 427/126.2; 118/500; 427/240

