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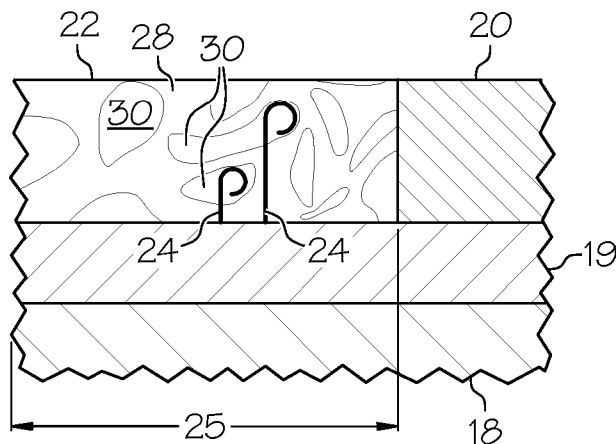
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(54) Title: INTUMESCENT PAINT COATINGS FOR INHIBITING TIN WHISKER GROWTH AND METHODS OF MAKING AND USING THE SAME



(57) Abstract: An electrical component includes a conductive substrate (18), a tin layer (19) formed on the substrate, and a coating (22) of a foam formed on the tin layer to impede tin whisker growth, the coating comprising a foam (28) having voids (30) dispersed therethrough. A method for impeding tin whisker growth from a tin plating or finish formed over an electrical component includes covering the tin plating or finish with a coating of intumescent paint, and thereafter expanding the intumescent paint into a foam having voids dispersed therethrough.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C22C13/00 B23K35/26 C09D5/18 H01L23/495 H05K3/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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