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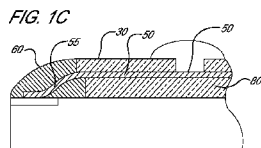
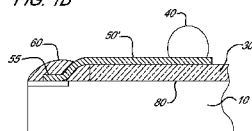
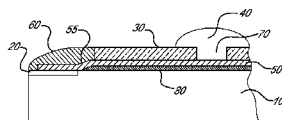
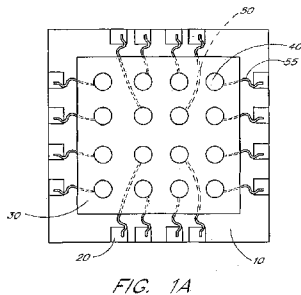
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(54) Title: INTERPOSER FILMS USEFUL IN SEMICONDUCTOR PACKAGING APPLICATIONS, AND METHODS RELATING THERETO



(57) Abstract: An interposer film (30) for IC packaging is disclosed. The interposer film comprises a substrate that supports a plurality of electrically conductive domains. The substrate is composed of a polyimide and a sub-micron filler. The polyimide is derived from at least one aromatic dianhydride component selected from rigid rod dianhydride, non-rigid rod dianhydride and combinations thereof, and at least one aromatic diamine component selected from rigid rod diamine, non-rigid rod diamine and combinations thereof. The mole ratio of dianhydride to diamine is 48-52:52-48 and the ratio of X:Y is 20-80:80-20 where X is the mole percent of rigid rod dianhydride and rigid rod diamine, and Y is the mole percent of non-rigid rod dianhydride and non-rigid rod diamine. The sub-micron filler is less than 550 nanometers in at least one dimension; has an aspect ratio greater than 3:1; is less than the thickness of the film in all dimensions.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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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(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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