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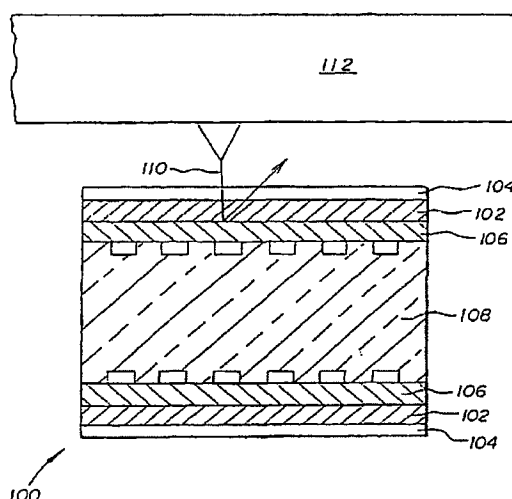
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(54) Title: POLY(ARYLENE ETHER) DATA STORAGE MEDIA



(57) Abstract: A storage media comprises: a substrate comprising a plastic resin portion, wherein the plastic resin portion comprises poly(arylene ether) and a styrene material (or comprises the reaction product of poly(arylene ether) and a styrene material), wherein the styrene material is selected from the group consisting of polystyrene, styrenic copolymer(s), and reaction products and combinations comprising at least one of the foregoing styrene material(s), and a data layer on the substrate. The poly(arylene ether) has a weight average molecular weight of about 5,000 to about 50,000 AMU, and the polystyrene has a weight average molecular weight of about 10,000 to about 300,000 AMU. The data layer can be at least partly read from, written to, or a combination thereof by an energy field. Additionally, when the energy field contacts the storage media, the energy field is incident upon the data layer before it could be incident upon the substrate.

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