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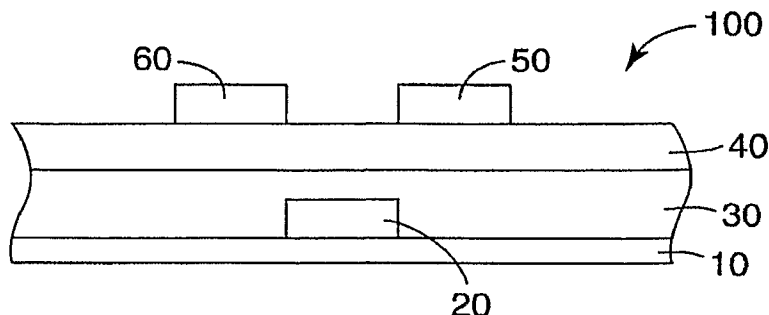
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(54) Title: BOTTOM GATE THIN FILM TRANSISTORS



(57) Abstract: A transistor is provided comprising: a substrate; a gate electrode; a semiconducting material not located between the substrate and the gate electrode; a source electrode in contact with the semiconducting material; a drain electrode in contact with the semiconducting material; and a dielectric material in contact with the gate electrode and the semiconducting material; wherein the semiconducting material comprises: 1-99.9% by weight of a polymer having a dielectric constant at 1kHz of greater than 3.3; 0.1-99% by weight of a functionalized pentacene compound as described herein.

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