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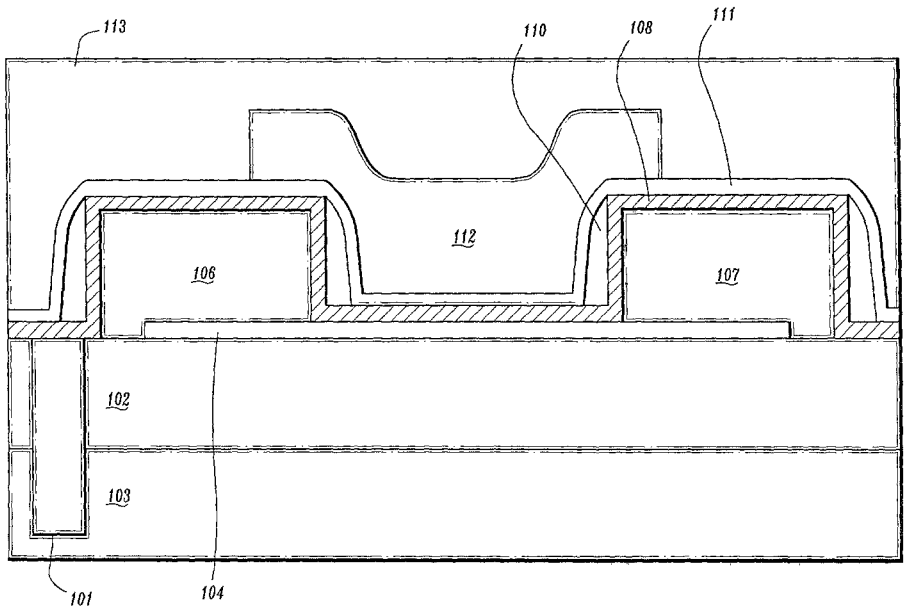
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[Continued on next page]

(54) Title: SELF-ALIGNED NANOTUBE FIELD EFFECT TRANSISTOR AND METHOD OF FABRICATING SAME



(57) Abstract: A self-aligned carbon-nanotube field effect transistor semiconductor device comprises a carbon-nanotube [104] deposited on a substrate [102], a source and a drain [106-107] formed at a first end and a second end of the carbon-nanotube [104], respectively, and a gate [112] formed substantially over a portion of the carbon-nanotube [104], separated from 10 the carbon-nanotube by a dielectric film [111].

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