

**GROWTH OF CARBON NANOTUBE (CNT) LEADS ON CIRCUITS
IN SUBSTRATE-FREE CONTINUOUS
CHEMICAL VAPOR DEPOSITION (CVD) PROCESS**

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ABSTRACT OF THE DISCLOSURE

A method and structure for an electrical device and a plurality of electrical circuits including a plurality of carbon nanotubes (CNTs). The method can include forming a first CNT catalyst layer including a plurality of first CNT catalyst plugs, a plurality of electrical circuits electrically coupled to the first CNT catalyst layer, and a second CNT catalyst layer including a plurality of second CNT catalyst plugs electrically coupled to the second CNT catalyst layer. CNTs may be simultaneously formed on the plurality of first and second CNT catalyst plugs within a chemical vapor deposition (CVD) furnace.

15 FIG. 6