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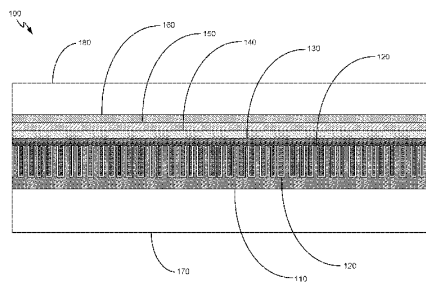


FIG. 1

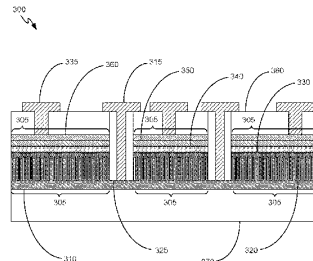


FIG. 3

(57) Abstract: Multi-terminal capacitor devices and methods of making multi-terminal capacitor devices are described herein. The multi-terminal capacitor devices may include a plurality of individual capacitors arranged in a single device layer, such as high surface area capacitors. A individual capacitor may include an aluminum foil-based electrode, an aluminum oxide dielectric layer conformal with the aluminum foil-based electrode, and a conductive material electrode, such as a conducting polymer or a conductive ceramic, in conformal contact with the dielectric layer.

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