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(52)	U.S. Cl.	
		216/74; 438/714; 438/715; 204/192.32;
		156/3/15 52: 156/3/15 53

(58) Field of Classification Search 438/715, 438/719, 721, 725, 737, 738; 216/41, 49,216/63-67, 75, 79; 156/345.27, 345.52, 345.53 See application file for complete search history.

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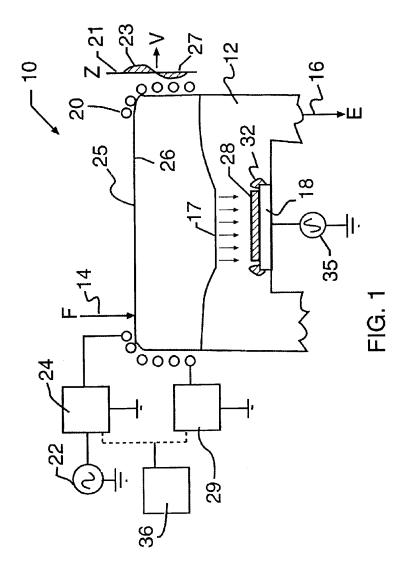
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ABSTRACT

The present invention provides a technique, including a method and apparatus, for etching a substrate in the manufacture of a device. The apparatus includes a chamber and a substrate holder disposed in the chamber. The substrate holder has a selected thermal mass to facilitate changing the temperature of the substrate to be etched during etching processes. That is, the selected thermal mass of the substrate holder allows for a change from a first temperature to a second temperature within a characteristic time period to process a film. The present technique can, for example, provide different processing temperatures during an etching process or the like.

59 Claims, 15 Drawing Sheets





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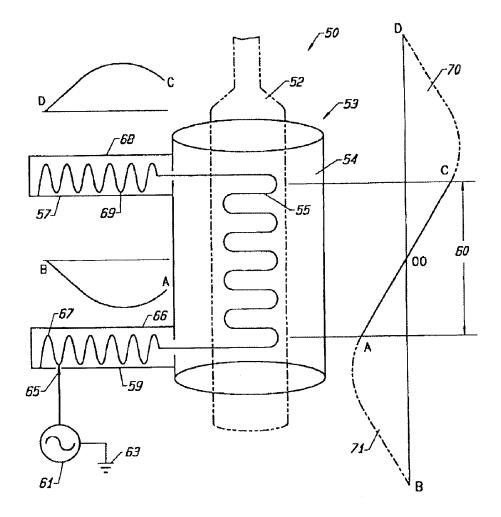
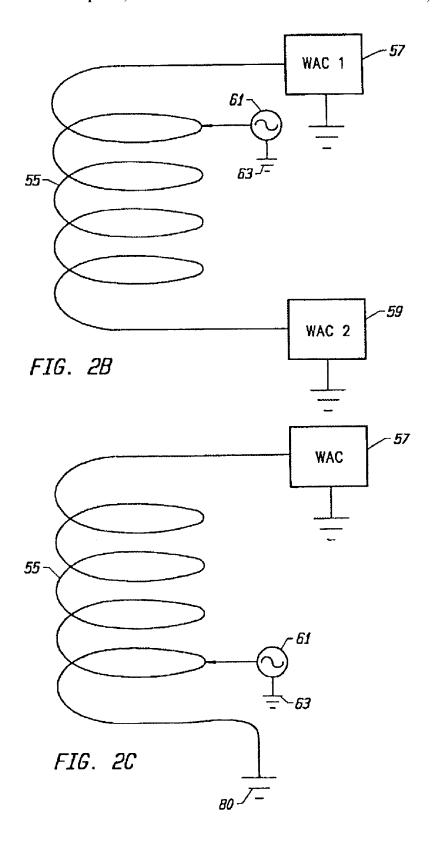


FIG. 2A



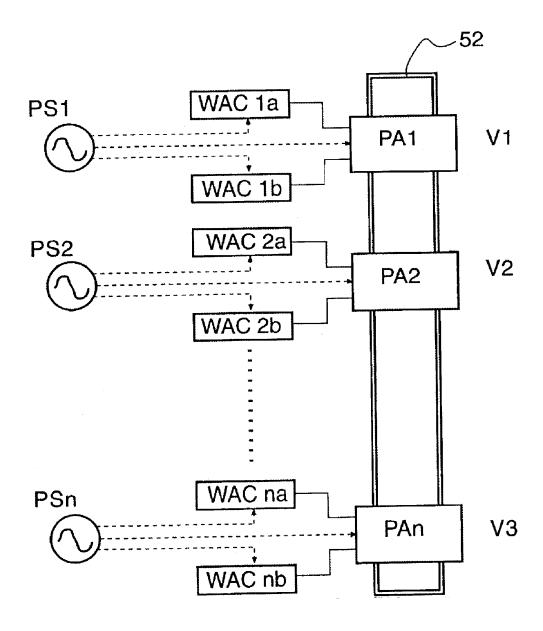


Fig. 2D

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