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[54] METHOD AND APPARATUS FOR APPLYING A LAYER OF A FLUID MATERIAL ON A SEMICONDUCTOR WAFER

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[58] Field of Search 427/240, 421; 437/231; 118/52, 321, 320

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[57] ABSTRACT

An apparatus and method is disclosed for applying a uniform layer of a fluid material such as photoresist onto the surface of a rotating workpiece such as a semiconductor wafer. A dispensing nozzle is provided with a rectangular or oblong shaped opening for painting a broad swath of the fluid material onto the surface of the workpiece while the nozzle moves along a radial path inwardly from the peripheral edge of the workpiece. The use of a rectangular or oblong shaped nozzle opening minimizes the amount of fluid material being consumed while providing a uniform thin film coating on the workpiece surface.

21 Claims, 1 Drawing Sheet

