METHOD OF PROVIDING UNIFORM PHOTOE SIST COATINGS FOR TIGHT CONTROL OF IMAGE DIMENSIONS

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Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Appl. No.: 08/814,129
Filed: Mar. 10, 1997

Int. Cl.* .......................... B05D 3/12; B05D 3/02; H01L 21/31
U.S. Cl. .......................... 427/240; 427/314; 427/407.1; 427/337; 427/384; 438/761; 438/782
Field of Search .......................... 427/240, 314, 427/372.2, 407.1, 337, 384; 438/761, 782

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ABSTRACT

A method for providing a uniform coating of photoresist over substrate for defining high density integrated device and circuit patterns. This is accomplished by applying the photoresist onto the substrate in multiple, separate dispensing steps and leveling spins to attain the desired thickness uniformly over substrate having high topographic surfaces, thereby preserve the integrity of the critical dimension for multi-level alignments used in the fabrication of integrated devices and circuits.

21 Claims, 3 Drawing Sheets