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(54) Title: PHOSPHONIUM BASED POLYMERS AND COPOLYMERS AS ADDITIVES FOR CHEMICAL MECHANICAL PLANARIZATION SLURRIES

(57) Abstract: Synthesis of phosphonium based polymers is disclosed. Chemical Mechanical Planarization (CMP) slurries comprise abrasives; activator; oxidizing agent; additive comprising phosphonium based polymers; and water. The use of the synthesized phosphonium based polymers in the CMP slurries reduces dishing and erosion in highly selective tungsten slurries.

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