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(54) Title: GUANIDINIUM-BASED POLYIONIC LIQUIDS AND THEIR USE AS ADDITIVES FOR CHEMICAL MECHANICAL  
PLANARIZATION SLURRIES

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

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