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(54) **Title:** ISOTROPIC THERMAL ATOMIC LAYER ETCH OF ZIRCONIUM AND HAFNIUM OXIDES

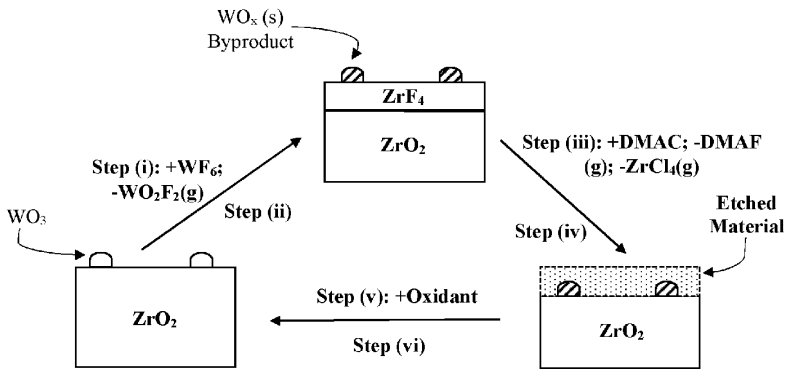


FIG. 1

(57) **Abstract:** The disclosed and claimed subject matter relates to (1) a process for performing thermal atomic layer etching (ALE) of films that include ZrO_2, HfO_2, $(Hf\text{-}Zr)O_2$ alloy or similar materials which does not require the use of plasmas or corrosive halogenating chemistries and (2) a metal-insulator-metal capacitor (MIMcap) with unique properties enabled by a unique dielectric processing method.

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