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(54) Title: COMPOSITIONS AND METHODS FOR SELECTIVELY ETCHING TITANIUM NITRIDE

(57) Abstract: Semi-aqueous compositions useful for the selective removal of titanium nitride and/or photoresist etch residue materials relative to metal conducting, e.g., tungsten and copper, and insulating materials from a microelectronic device having same thereon. The semi-aqueous compositions contain at least one oxidant, at least one etchant, and at least one organic solvent, may contain various corrosion inhibitors to ensure selectivity.



WO 2014/138064 A1