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(54) Title: COMPOSITIONS AND METHODS OF USE FOR FORMING TITANIUM- CONTAINING THIN FILMS

(57) Abstract: Compositions and methods for forming titanium-containing thin films are provided. The compositions comprise at least one precursor selected from the group consisting of (methylcyclopentadienyl)Ti(NMe₂)₃, (ethylcyclopentadienyl)Ti(NMe₂)₃, (isopropylcyclopentadienyl)Ti(NMe₂)₃, (methylcyclopentadienyl)Ti(NEt₂)₃, (methylcyclopentadienyl)Ti(NMeEt)₃, (ethylcyclopentadienyl)Ti(NMeEt)₃ and (methylcyclopentadienyl)Ti(OMe)₃; and at least one liquification co-factor other than the at least one precursor; wherein the at least one liquification co-factor is present in amount sufficient to co-act with the at least one precursor, and in combination with the at least one precursor, forms a liquid composition.

