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(54) Title: TIN CONTAINING ORGANOMETALLIC COMPOUNDS

(57) Abstract: Disclosed are Tin containing organometallic compounds of Formula I: $R_xSn(A)_{4-x}$, wherein R is selected from unsaturated hydrocarbons having 2 to 10 carbon atoms and optionally substituted Cp, A is selected from amine groups, alkoxy groups, and halides, and x is an integer from 1 to 3, as well as highly purified forms of the organometallic compounds for use in the deposition of high purity tin oxide and compositions that result in improved reactivity and better stability.



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