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(54) **Title:** HOMOLEPTIC BISMUTH PRECURSORS FOR DEPOSITING BISMUTH OXIDE CONTAINING THIN FILMS

(57) **Abstract:** The disclosed and claimed subject matter relates to (i) homoleptic precursors of the formula $\text{Bi}(\text{Ar})_3$ where Ar is one or more a bulky alkyl group selected from an iso-propyl group, a sec-butyl group, an iso-butyl group, a neo-pentyl group, a sec-pentyl group and an iso-pentyl group and (ii) the use thereof as precursors for deposition of metal-containing films.

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