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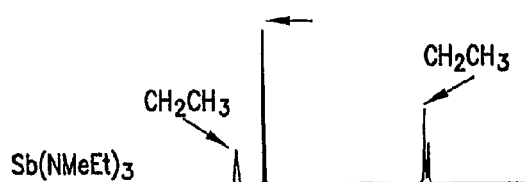


FIG. 1

(57) Abstract: Antimony, germanium and tellurium precursors useful for CVD/ALD of corresponding metal-containing thin films are described, along with compositions including such precursors, methods of making such precursors, and films and microelectronic device products manufactured using such precursors, as well as corresponding manufacturing methods. The precursors of the invention are useful for forming germanium-antimony-tellurium (GST) films and microelectronic device products, such as phase change memory devices, including such films.

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