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(72) Inventors; and

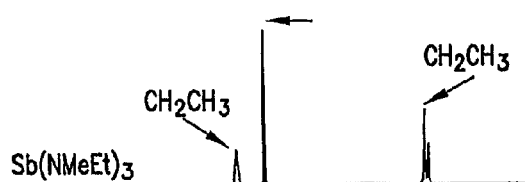
(75) Inventors/Applicants (for US only): **HUNKS, William**
[CA/US]; 440 Meriden Road, Apt.409, Waterbury, CT
06705 (US). **CHEN, Tianniu** [CN/US]; 146 Sunset
Ridge, Rocky Hill, CT 06067 (US). **XU, Chongying** [US/
US]; 8 Heather Court, New Milford, CT 06776 (US).
ROEDER, Jeffrey, F. [US/US]; 4 Longmeadow Hill
Road, Brookfield, CT 06804 (US). **BAUM, Thomas, H.**
[US/US]; 2 Handol Lane, New Fairfield, CT 06812 (US).
PETRUSKA, Melissa, A. [US/US]; 82 Whisconier
Road, Unit 5, Brookfield, CT 06804 (US). **STENDER,**
Matthias [DE/US]; 93 Barry Avenue, Ridgefield, CT
06877 (US). **CHEN, Philip, S., H.** [US/US]; 26 Budd
Drive, Bethel, CT 06801 (US). **STAUF, Gregory, T.**
[US/US]; 17 Dorset Drive, New Milford, CT 06776 (US).
HENDRIX, Bryan, C. [US/US]; 42 Kingswood Road,
Danbury, CT 06811 (US).

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(54) Title: ANTIMONY AND GERMANIUM COMPLEXES USEFUL FOR CVD/ALD OF METAL THIN FILMS

**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.