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- (54) **APPARATUS FOR PRODUCING NANO-PARTICLES OF SILVER**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (51) **Int. Cl.**
C22B 11/00 (2006.01)
- (52) **U.S. Cl.** **266/202; 266/217**
- (58) **Field of Classification Search** **266/217, 266/202**

See application file for complete search history.

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(57) **ABSTRACT**

Apparatus for producing silver nano-particle material. The apparatus includes a furnace containing a crucible for vaporizing a precursor material, as well as, a conduit disposed in perpendicular to the crucible. An inlet end of the conduit is open to the mixing region created between the conduit and the crucible. A process gas supply is also operatively associated with the mixing region.

25 Claims, 2 Drawing Sheets

