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(54) **METHOD FOR PRODUCING
NANO-PARTICLES FROM A PRECURSOR
MATERIAL**

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(52) **U.S. Cl.** **423/592.1; 423/606**

(58) **Field of Classification Search** **423/592.1,**
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See application file for complete search history.

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(57) **ABSTRACT**

Method for producing nano-particles from a precursor mate-
rial. One embodiment of the method comprises vaporizing
the precursor material to produce a vapor, directing the vapor
into an isolation chamber, contacting the vapor contained in
the isolation chamber with a quench fluid stream, the quench
fluid stream cooling the vapor to produce the nano-particles,
and removing the nano-particles from the isolation chamber.

12 Claims, 3 Drawing Sheets