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(71) Applicants (for all designated States except US): THE UNIVERSITY OF NORTH CAROLINA [US/US]; 308 Bynum Hall, Chapel Hill, NC 27599 (US). APPLIED NANOTECHNOLOGIES, INC. [US/US]; 308 West Rosemary Street, Suite 201, Chapel Hill, NC 27514 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZHOU, Otto, Z. [US/US]; 204 Glenhill Lane, Chapel Hill, NC 27514 (US).

GAO, Bo [CN/US]; 605 Jones Ferry Road, Apt. MM-3, Carrboro, NC 27510 (US). YUE, Guozhen [CN/US]; 404 Jones Ferry Road, Apt. A13, Carrboro, NC 27510 (US). OH, Soojin [KR/US]; 605 Jones Ferry Road, Apt. MM-3, Carroboro, NC 27510 (US).

(74) Agents: GRUDZIECKI, Ronald, L. et al.; Burns, Doane, Swecker & Mathis, LLP, P.O. Box 1404, Alexandria, VA 22313-1404 (US).

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(54) Title: DEPOSITION METHOD FOR NANOSTRUCTURE MATERIALS

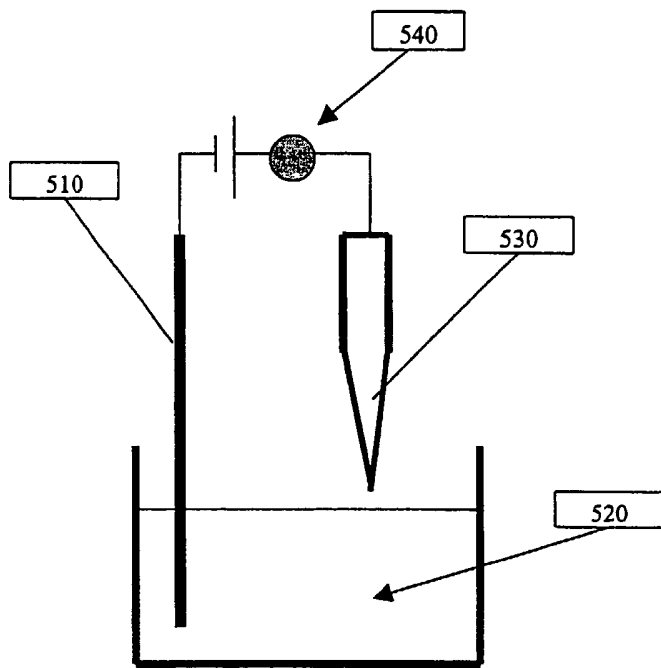


FIG. 5A

(57) Abstract: A method for depositing a coating of a nanostructure material onto a substrate includes : 1) forming a solution or suspension (520) of containing the nanostructure material; 2) selectively adding "charger" to the solution (520); 3) immersing electrodes (510, 530) in the solution (520), the substrate upon which the nanostructure material is to be deposited acting as one of the electrodes; 4) applying a direct and/or alternating current electrical field between the two electrodes (510, 530) for a certain period of time thereby causing the nanostructure materials in the solution (520) to migrate toward and attach themselves to the substrate electrode (530); and 5) subsequently optional processing of the coated substrate.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	AFFOUNE et al. "Electrophoretic Deposition of Nanosized Diamond Particles", Langmuir 2001, 17, pp. 547-551.	1-8, 12, 13, 16, 18 and 22-24 ----- 9-11, 14, 15, 17, 19-21, 25-73
X --- Y	US 6,258,237 A (GAL-OR et al.) 10 July 2001, see Examples and col. 10, lines 61-62.	1-8, 12, 13, 16, 22, 24, 28 and 29 ----- 15, 19-21 and 25-27
Y	US 5,296,117 A (DE JAEGER et al.) 22 March 1994, paragraph crossing cols. 10 and 11.	25-27
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Kishor Mayekar <i>[Signature]</i> Telephone No. (571) 272-1300 <i>[Signature]</i>	