

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3844535

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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PROPERTY NUMBERS Total: 7	
Property Type	Number
Application Number:	11644122
Application Number:	11715786
Application Number:	11807379
Application Number:	11899009
Application Number:	11901227
Application Number:	13986575
Application Number:	13987450
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DATE SIGNED:	04/25/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	

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Total Attachments: 12

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ASSIGNMENT

This Assignment Agreement is made and entered by and between Aruna Zhamu, a citizen of P. R. China, residing at 765 Hidden Circle, Centerville, Ohio (the "Assignor") and Nanotek Instruments, Inc., an Ohio corporation whose address is 1240 McCook Avenue, Dayton, OH 45404 (the "Assignee").

WHEREAS, Assignor is an inventor or co-inventor of certain new and useful inventions related to the production and use of new materials, including nano-scaled graphene plates, processes, energy technologies, and other technologies as more fully described herein (the "Inventions"), and

WHEREAS, Assignee desires to acquire the entire right, title and interest in and to the Inventions.

NOW, THEREFORE, the parties agree as follows:

1. The term "Inventions" shall mean (1) the issued United States patents listed in Schedule "A" attached hereto and incorporated herein by reference and all corresponding rights to claim priority, (2) the patent applications listed in Exhibit "A" and any and all improvements which are disclosed in any of the aforesaid patent applications, (3) all Letters Patent to be obtained for said Inventions by the above applications or any continuation, divisional, renewal, or substitute thereof and, as to Letters Patent, any reissue or re-examination thereof, (4) all know-how, trade secrets, discoveries, concepts, ideas, and technologies related to the same, (5) any and all copyrights, copyright registrations and copyrightable subject matter related to the same; and (6) any trademarks related to such patents and patent applications.

2. In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged, the Assignor hereby assigns, transfers and conveys to Assignee all of Assignor's right, title and interest in and to (a) the Inventions, (b) any U.S. or foreign Letters Patent which may issue from the Inventions, and (c) all divisions, continuations, reissues, re-examinations and extensions of the patents and applications listed on Schedule A.

3. Assignor further covenants that said Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said Inventions and said Letters Patent and legal equivalents, as may be known and accessible to Assignor and he or she will testify as to the same in any interference, litigation or proceeding related thereto and will

promptly execute and deliver to said Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said Inventions and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purpose thereof.

In Witness Whereof, the undersigned has executed this document as of the 26 day of October, 2013

INVENTOR

[Signature] (Signature)

Aruna Zhamu (Print Name)

State of Ohio)
County of Montgomery) SSN: ~~XXXXXXXXXXXXXXXXXXXX~~

Before me personally appeared said Aruna Zhamu and acknowledged the foregoing instrument to be his free act and deed, this 26th day of October, 2013.



ROBERT ROCKWELL
Notary Public, State of Ohio
My Comm. Expires June 27, 2017

[Signature]
Notary Public

EXHIBIT "A" Assigned Patents
Invention Patents and Applications

1. Jiusheng Guo, A. Zhamu, and B. Z. Jang, "Nano-scaled Graphene Plate-Reinforced Composite Materials and Method of Producing Same," US Patent No. 7,662,321 (02/16/2010) (US Pat. Appl No.11/257,508 (10/26/05)).
2. Jiusheng Guo, A. Zhamu, and B. Z. Jang, "Nano-scaled Graphene Plate-Reinforced Composite Materials and Method of Producing Same," US App. No. 12/639,443 (12/16/2009). A continuation of US Pat. App. No. 11/257,508 (10/26/05)
3. B. Z. Jang, A. Zhamu, and Jiusheng Guo, "Electro-spinning of Nano-scaled Graphene Plate Composite," US Pat. Pending, 11/487,761 (07/17/06).
4. B. Z. Jang, A. Zhamu, Jiusheng Guo, and Lulu Song "Hybrid Fiber Tow Containing Both Continuous Fibers and Nano-Fillers, Hybrid Composite, and Processes" US Pat. Pending, 11/491,657 (07/24/2006).
5. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Process for Producing Nano-scaled Platelets and Nanocomposites," US Pat. Pending, 11/509,424 (08/25/2006). Gas Exp.
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7. B. Z. Jang, A. Zhamu, and L. Song, "Bio-responsive and Electrically Conductive Polymer Compositions for Tissue Engineering and Methods for Production," US Pat. Pending, 11/543413 (10/06/2006).
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12. Aruna Zhamu, Jinjun Shi, Jiusheng Guo and Bor Z. Jang, "Method of Producing Exfoliated Graphite, Flexible Graphite, and Nano-Scaled Graphene Plates," US Pat. Pending, 11/800,728 (05/08/2007); now US Patent No. 7,824,651 (11/02/2010).
13. Aruna Zhamu, Joan Jang, Jinjun Shi, and Bor Z. Jang, "Method of Producing Ultra-thin Nano-Scaled Graphene Platelets," US Pat. Pending, 11/879,680 (07/19/2007). (2nd Int.)
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 19. Aruna Zhamu, Jiusheng Guo, and Bor Z. Jang, "Production of Ultra-thin Nano-Scaled Graphene Platelets from Meso-Carbon Micro-Beads," US Pat. Appl No. 12/005,015 (12/26/2007).
 20. Bor Z. Jang and A. Zhamu, "Nano Graphene Platelet-Based Conductive Inks," US Pat. Application No. 12/215,813 (07/01/2008).
 21. Bor Z. Jang and A. Zhamu, "Process for Producing Dispersible Nano Graphene Platelets from Non-oxidized Graphitic Materials," US Pat. Application No. 12/231,411 (09/03/2008); now US Patent No. 8,216,541 (07/10/2012).
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 30. A. Zhamu and Bor Z. Jang, "Nano Graphene Modified Lubricant," US Pat. Application No. 12/583,320 (08/19/2009); now US Patent No. 8,222,190 (07/17/2012).
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47. Aruna Zhamu, Yi-jun Lin, Mingchao Wang, Wei Xiong, and Bor Z. Jang, "Inorganic Coating-Protected Unitary Graphene Materials for Concentrated Photovoltaic Applications," US Patent Application No. 13/815,100/ (01/31/2013).
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 55. Aruna Zhamu and Bor Z. Jang, "Process for Producing Continuous Graphitic Fibers from Living Graphene Molecules," US Patent Application No. 13/986,208 (04/15/2013).
 56. Aruna Zhamu and Bor Z. Jang, "Impregnated Continuous Graphitic Fiber Tows and Composites Containing Same," US Patent Application No. 13/987,528 (08/05/2013).
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 58. A. Zhamu, Jiusheng Guo, and B. Z. Jang, "Self-humidifying Membrane, Catalyst-Coated Membrane, Membrane Electrode Assembly, and Fuel Cell," US Patent Pending, 11/257,601 (10/26/2005).
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 61. A. Zhamu and B. Z. Jang, "Integrated Bipolar Plate/Diffuser Components for Proton Exchange Membrane Fuel Cells," U.S. Pat. Pending, 11/293,706 (12/05/2005).
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 63. Bor Z. Jang, A. Zhamu, and Lulu Song, "Highly Conductive Composites for Fuel Cell Flow Field Plates and Bipolar Plates," U.S. Pat. Pending, 11/324,370 (01/04/06). (Also US Patent Application No. 13/021,041 filed Feb 4, 2011)
 64. Lulu Song, Jiusheng Guo, A. Zhamu, and Bor Z. Jang, "Highly Conductive Nano-scaled Graphene Plate Nanocomposites and Products" US Patent No. 7,566,410 (07/28/2009). (US 11/328,880 (01/11/06)).
 65. Lulu Song, Jiusheng Guo, A. Zhamu, and Bor Z. Jang, "Controlled Release Vapor Fuel Cell" US Pat Application No. 11/353,463 (02/15/06); now US Patent No. 8,153,324 (04/10/2012).
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 67. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Dissolved Fuel Direct Alcohol Fuel Cell," US Pat. Pending, 11/515,340 (09/05/2006).
 68. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Process for Producing Fuel Cell Electrode, Catalyst-Coated Electrode, and Membrane-Electrode Assembly," US Pat. App. No. 11/522,580 (09/19/2006); now US Patent No. 8,318,385 (11/27/2012).

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