

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DR ARUNA ZHAMU	10/26/2013
DR BOR Z JANG	10/26/2013
GUORONG CHEN	08/29/2013
RECEIVING PARTY DATA	
Name:	NANOTEK INSTRUMENTS, INC
Street Address:	1240 MCCOOK AVE
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State/Country:	OHIO
Postal Code:	45404
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13987994
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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NAME OF SUBMITTER:	CLAIRE A. RUTISER
SIGNATURE:	/Claire A. Rutiser/
DATE SIGNED:	04/06/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 30	
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ASSIGNMENT

This Assignment Agreement is made and entered by and between Guorong Chen, a citizen of the Peoples Republic of China, residing at 1028 Cambridge Station Rd Dayton OH 45458 (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 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 Exhibit "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 Exhibit 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 29th day of August, 2013

INVENTOR

Guorong Chen (Signature)

Guorong Chen (Print Name)

State of Ohio

County of Montgomery

) SSN: _____

Before me personally appeared said Guorong Chen and acknowledged the foregoing instrument to be his free act and deed, this 29 day of August, 2013.

Sauni L. McFarland



SAUNI L. MCFARLAND
NOTARY PUBLIC
STATE OF OHIO
MY COMMISSION EXPIRES 7/5/14

EXHIBIT "A"

Assigned Patents

Invention Patents and Applications

Name of Assigned Patent	Patent Registration No. or Application No.	Status: Registered (R), Applied for Registration (A), Abandoned Application (AA) and Status Not Available (NA)
A. Zhamu, Jinjun Shi, Guorong Chen, Qing Fang, M. C. Wang, and B. Z. Jang, "Graphite and Carbon Particulates for the Lithium Ion Battery"	US Patent Application No. 12/804,413 (07/22/2010)	A
Aruna Zhamu, Jinjun Shi, Guorong Chen, M. C. Wang, and Bor Z. Jang, "Graphene-Enhanced Cathode Particulates for Lithium Batteries"	US Patent Application No. 12/807,471 (09/07/2010)	A
Aruna Zhamu, Jinjun Shi, Guorong Chen, Qing Fang, and Bor Z. Jang, "Graphene-Enhanced Anode Particulates for Lithium Batteries"	US Patent Application No. 12/807,635 (09/10/2010)	A
Guorong Chen, Aruna Zhamu, Zhenning Yu, and B. Z. Jang, "Graphene-Enabled Vanadium Oxide Cathode and Lithium Cells Containing Same"	US Patent Application No. 13/134,782 (06/17/2011)	A
Aruna Zhamu, Guorong Chen, X. Q. Wang, Yanbo Wang, and B. Z. Jang, "Stacks of Internally Connected Surface-Mediated Cells and Methods of Operating Same,"	US Patent Application No. 13/374,321 (12/21/2011).	A
Aruna Zhamu, Guorong Chen, X. Q. Wang, Yanbo Wang, and B. Z. Jang, "Hybrid Electrode and Surface-Mediated Cell-based Super-Hybrid Energy Storage Device Containing Same,"	US Patent Application No. 13/374,408 (12/29/2011).	A
Aruna Zhamu, Guorong Chen, Qing Fang, Xiqing Wang, Yanbo Wang, and Bor Z. Jang, "Surface-Mediated Cell-Powered Vehicles and Methods of Operating Same,"	US Patent App. No. 13/374,894 (01/23/2012).	A
Aruna Zhamu, Guorong Chen, Qing Fang, Xiqing Wang, Yanbo Wang, and Bor Z. Jang, "Surface-Mediated Cells with High Power Density and High energy Density,"	US Patent App. No. 13/385,105 (02/03/2012).	A
Aruna Zhamu, Guorong Chen, Qing Fang, Xiqing Wang, Yanbo Wang, and Bor Z. Jang, "Surface-Mediated Cell-Powered Portable Computing Devices and Methods of Operating Same,"	US Patent Application No. 13/385,245 (02/10/2012).	A
Aruna Zhamu, Guorong Chen, Qing Fang, Xiqing Wang, Yanbo Wang, and Bor Z. Jang, "Surface-Mediated Cell-Driven Power Tools and Methods of	US Patent Application No. 13/385,350 (02/16/2012).	A

Operating Same.”		
Yanbo Wang, Zhenning Yu, Aruna Zhamu, Guorong Chen, and Bor Z. Jang, “Inorganic Nano Sheet-Enabled Lithium-Exchanging Surface-Mediated Cells,”	US Patent Application No. 13/385,366 (02/16/2012)	A
Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, “Lithium-ion Cell Having a High-Capacity Anode and a High-Capacity Cathode”	US Patent Application No. 13/385,561 (2/27/2012).	A
Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, “Lithium-ion Cell Having a High Energy Density and High Power Density”	US Patent Application No. 13/506,168 (04/02/2012).	A
Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, “Method of Operating a Lithium-ion Cell Having a High-Capacity Cathode”	US Patent Application No. 13/506,324 (04/12/2012).	A
Guorong Chen, Yanbo Wang, Qing Fang, Aruna Zhamu, and Bor Z. Jang, “Dual Electroplating Cell,”	US Patent Appl. No. 13/507,057 (06/01/2012).	A
Guorong Chen, Yanbo Wang, Aruna Zhamu, and Bor Z. Jang, “Rechargeable Lithium Cell Having a Phthalocyanine-Based High-Capacity Cathode,”	US Patent Appl. No. 13/506,778 (05/17/2012).	A
Guorong Chen, Yanbo Wang, Aruna Zhamu, and Bor Z. Jang, “Rechargeable Lithium Cell Having a Meso-Porous Conductive Material Structure-Supported Phthalocyanine Compound Cathode,”	US Patent Appl. No. 13/507,168 (06/11/2012).	A
C. G. Liu, Guorong Chen, Aruna Zhamu, and Bor Z. Jang, “Supercapacitor Having a Porous Carbon/Graphite Material-Supported Phthalocyanine Compound Electrode,”	US Patent Appl. No. (05/15/2013).	A
Mingchao Wang, Guorong Chen, Aruna Zhamu, and Bor Z. Jang, “Solvent-Free Process Based Graphene Electrode for Energy Storage Devices,”	US Patent Application No. 13/507,739 (07/25/2012).	A
Guorong Chen, Zhenning Yu, Chen-guang Liu, Aruna Zhamu, and Bor Z. Jang, “Rechargeable Lithium Cell Having a Chemically Bonded Phthalocyanine Compound Cathode,”	US Patent Application No. 13/573,275 (09/07/2012).	A
Guorong Chen, Aruna Zhamu, and Bor Z. Jang, “Encapsulated Phthalocyanine Particles, High-Capacity Cathode Containing These Particles, and Rechargeable Lithium Cell Containing Such a Cathode,”	US Patent Application No. 13/573,298 (09/10/2012)	A

List of Patents:

1. A. Zhamu, Jinjun Shi, Guorong Chen, Qing Fang, M. C. Wang, and B. Z. Jang, "Graphite and Carbon Particulates for the Lithium Ion Battery," US Patent Application No. 12/804,413 (07/22/2010).
2. Aruna Zhamu, Jinjun Shi, Guorong Chen, M. C. Wang, and Bor Z. Jang, "Graphene-Enhanced Cathode Particulates for Lithium Batteries," US Patent Application No. 12/807,471 (09/07/2010).
3. Aruna Zhamu, Jinjun Shi, Guorong Chen, Qing Fang, and Bor Z. Jang, "Graphene-Enhanced Anode Particulates for Lithium Batteries," US Patent Application No. 12/807,635 (09/10/2010).
4. Guorong Chen, Aruna Zhamu, Zhenning Yu, and B. Z. Jang, "Graphene-Enabled Vanadium Oxide Cathode and Lithium Cells Containing Same," US Patent Application No. 13/134,782 (06/17/2011).
5. Aruna Zhamu, Guorong Chen, X. Q. Wang, Yanbo Wang, and B. Z. Jang, "Stacks of Internally Connected Surface-Mediated Cells and Methods of Operating Same," US Patent Application No. 13/374,321 (12/21/2011).
6. Aruna Zhamu, Guorong Chen, X. Q. Wang, Yanbo Wang, and B. Z. Jang, "Hybrid Electrode and Surface-Mediated Cell-based Super-Hybrid Energy Storage Device Containing Same," US Patent Application No. 13/374,408 (12/29/2011).
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9. Aruna Zhamu, Guorong Chen, Qing Fang, Xiqing Wang, Yanbo Wang, and Bor Z. Jang, "Surface-Mediated Cell-Powered Portable Computing Devices and Methods of Operating Same," US Patent Application No. 13/385,245 (02/10/2012).
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11. Yanbo Wang, Zhenning Yu, Aruna Zhamu, Guorong Chen, and Bor Z. Jang, "Inorganic Nano Sheet-Enabled Lithium-Exchanging Surface-Mediated Cells," US Patent Application No. 13/385,366 (02/16/2012).
12. Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, "Lithium-ion Cell Having a High-Capacity Anode and a High-Capacity Cathode" US Patent Application No. 13/385,561 (2/27/2012).
13. Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, "Lithium-ion Cell Having a High Energy Density and High Power Density" US Patent Application No. 13/506,168 (04/02/2012).
14. Guorong Chen, Yanbo Wang, Qing Fang, Xiqing Wang, Aruna Zhamu, and Bor Z. Jang, "Method of Operating a Lithium-ion Cell Having a High-Capacity Cathode" US Patent Application No. 13/506,324 (04/12/2012).
15. Guorong Chen, Yanbo Wang, Qing Fang, Aruna Zhamu, and Bor Z. Jang, "Dual Electroplating Cell," US Patent Appl. No. 13/507,057 (06/01/2012).

16. Guorong Chen, Yanbo Wang, Aruna Zhamu, and Bor Z. Jang, "Rechargeable Lithium Cell Having a Phthalocyanine-Based High-Capacity Cathode," US Patent Appl. No. 13/506,778 (05/17/2012).
17. Guorong Chen, Yanbo Wang, Aruna Zhamu, and Bor Z. Jang, "Rechargeable Lithium Cell Having a Meso-Porous Conductive Material Structure-Supported Phthalocyanine Compound Cathode," US Patent Appl. No. 13/507,168 (06/11/2012).
18. C. G. Liu, Guorong Chen, Aruna Zhamu, and Bor Z. Jang, "Supercapacitor Having a Porous Carbon/Graphite Material-Supported Phthalocyanine Compound Electrode," US Patent Appl. No. (05/15/2013).
19. Mingchao Wang, Guorong Chen, Aruna Zhamu, and Bor Z. Jang, "Solvent-Free Process Based Graphene Electrode for Energy Storage Devices," US Patent Application No. 13/507,739 (07/25/2012).
20. Guorong Chen, Zhenning Yu, Chen-guang Liu, Aruna Zhamu, and Bor Z. Jang, "Rechargeable Lithium Cell Having a Chemically Bonded Phthalocyanine Compound Cathode," US Patent Application No. 13/573,275 (09/07/2012).
21. Guorong Chen, Aruna Zhamu, and Bor Z. Jang, "Encapsulated Phthalocyanine Particles, High-Capacity Cathode Containing These Particles, and Rechargeable Lithium Cell Containing Such a Cathode," US Patent Application No. 13/573,298 (09/10/2012).

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.
6. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Mass Production of Nano-scaled Platelets and Products," US Pat. Appl. No. 11/526,489 (09/26/2006); now US Patent No. 7,785,492 (Aug. 31, 2010).
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).
8. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Method of Producing Nano-scaled Graphene and Inorganic Platelets and Their Nanocomposites," US Pat. Appl. No. 11/709,274 (02/22/2007); Now US Patent No. 7,892,514 (Feb 22, 2011).
9. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Method of Producing Nano-scaled Graphene and Inorganic Platelets and Their Nanocomposites," US Pat. App. No. 12/983,947 (01/04/2011), a divisional of 11/709,274 (02/22/2007); now US Patent No. 8,308,984 (11/13/2012).
10. Bor Z. Jang, Aruna Zhamu, and Jiusheng Guo, "Nano-scaled Graphene Plate Films and Articles," US Pat. Pending, 11/784,606 (04/09/2007).
11. Aruna Zhamu, JinJun Shi, Jiusheng Guo, and Bor Z. Jang, "Low-Temperature Method of Producing Nano-scaled Graphene Platelets and Their Nanocomposites," US Pat. Pending, 11/787,442 (04/17/2007); Now US Patent No. 8,132,746 (03/13/2012).
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.)
14. Aruna Zhamu, Joan Jang, and Bor Z. Jang, "Electrochemical Method of Producing Ultra-thin Nano-Scaled Graphene Platelets," US Pat. Pending, 11/881,388 (07/27/2007); Now US Patent No. 8,524,067 (09/03/2013).
15. Aruna Zhamu and Bor Z. Jang, "Electrochemical Method of Producing Nano Graphene Platelets," US Pat. Application No. 13/987,362 (07/17/2013); a divisional of US Pat. Appl. No. 11/881,388 (07/27/2007).
16. Aruna Zham and Bor Z. Jang, "Environmentally Benign Chemical Method of Producing Exfoliated Graphite, Flexible Graphite, and Nano-Scaled Graphene Platelets," US Pat.

- Pending, 11/881,389 (07/27/2007).
17. Aruna Zham and Bor Z. Jang, "Environmentally Benign Graphite Intercalation Compound Composition for Exfoliated Graphite, Flexible Graphite, and Nano-Scaled Graphene Platelets," US Pat. Pending, 11/881,390 (07/27/2007).
 18. Aruna Zhamu, Jiusheng Guo, and Bor Z. Jang, "Method of Producing Nano-Scaled Graphene Platelets with a High Length-to-Width Ratio," US Pat. App. No. 12/002,278 (12/17/2007); Now US Patent No. 7,790,285 (09/07/2010).
 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).
 22. Bor Z. Jang and A. Zhamu, "Process for Producing Dispersible Nano Graphene Platelets from Oxidized Graphite," US Pat. Application No. 12/231,413 (09/03/2008); Now US Patent No. 8,114,375 (02/14/2012).
 23. Bor Z. Jang and A. Zhamu, "Dispersible Nano Graphene Platelets," US Pat. Application No. 12/231,417 (09/03/2008); Now US Patent No. 8,501,318 (08/06/2013).
 24. Aruna Zhamu and Bor Z. Jang, "Supercritical Fluid Process for Producing Nano Graphene Platelets," US Pat. App. No. 12/229,493 (08/25/2008).
 25. A. Zhamu and Bor Z. Jang, "Nano Graphene-Modified Curing Agents for Thermoset Resins," US Pat. Application No. 12/460,663 (07/23/2009).
 26. A. Zhamu and Bor Z. Jang, "Mass Production of Pristine Nano Graphene Materials," US Pat. Application No. 12/460,863 (07/27/2009); now US Patent No. 8,226,801 (07/24/2012).
 27. A. Zhamu and Bor Z. Jang, "Production of Chemically Functionalized Nano Graphene Materials," US Pat. Application No. 12/460,860 (07/27/2009); Now US Patent No. 8,287,699 (10/16/2012)
 28. A. Zhamu and Bor Z. Jang, "Production Process for Chemically Functionalized Nano Graphene Materials," US Pat. Application No. 13/573,259 (09/06/2012); a 1st divisional of US Pat. Appl. No. 12/460,860 (07/27/2009).
 29. A. Zhamu and Bor Z. Jang, "Process for Producing Chemically Functionalized Nano Graphene Materials," US Pat. Application No. 13/573,260 (09/06/2012); a 2nd divisional of US Pat. Appl. No. 12/460,860 (07/27/2009).
 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).
 31. A. Zhamu and Bor Z. Jang, "Pristine Nano Graphene Modified Tires," US Pat. Application No. 12/583,375 (08/20/2009); now US Patent No. 7,999,027 (08/16/2011).
 32. A. Zhamu and Bor Z. Jang, "Submicron-scale Graphitic Fibrils, Methods for Producing Same, and Compositions Containing Same," US Pat. Application No. 12/592,970 (12/07/2009).
 33. A. Zhamu and Bor Z. Jang, "Conductive Graphene Polymer Binder for Electrochemical Cell Electrodes," US Pat. Application No. 12/655,172 (12/24/2009); PCT Application, WO 2011/079238.

34. A. Zhamu and Bor Z. Jang, "Submicron-scale and Lower-Micron Graphitic Fibrils As an Anode Active Material for a Lithium Ion Battery," US Pat. Application No. 12/803,750 (07/06/2010); Now US Patent No. 8,501,348 (08/06/2013).
35. A. Zhamu and Bor Z. Jang, "Chemically Functionalized Submicron Graphitic Fibrils, Methods for Producing Same, and Compositions Containing Same," US Pat. Application No. 12/804,190 (07/16/2010).
36. Zhenning Yu, Chen-guang Liu, A. Zhamu, and B. Z. Jang, "Curved Nano Graphene Sheets," US patent application submitted 08/02/2010.
37. A. Zhamu and Bor Z. Jang, "One-Step Production of Graphene Materials," US Pat. Application No. 13/317,100 (10/11/2011).
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ASSIGNMENT

This Assignment Agreement is made and entered by and between Bor Z. Jang, a citizen of USA, residing at 9436 Parkside Drive, 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

Bor Z. Jang (Signature)

Bor Z. Jang (Print Name)

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

Before me personally appeared said Bor Z. Jang 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

Robert Rockwell
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)).
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