PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5729821

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NANOTEK INSTRUMENTS, INC.	09/19/2019

RECEIVING PARTY DATA

Name:	GLOBAL GRAPHENE GROUP, INC.
Street Address:	1240 MCCOOK AVE.
City:	DAYTON
State/Country:	OHIO
Postal Code:	45404

PROPERTY NUMBERS Total: 32

Property Type	Number
Application Number:	12803750
Application Number:	13184787
Application Number:	14998513
Application Number:	14998514
Application Number:	14998523
Application Number:	15175715
Application Number:	15354706
Application Number:	15365049
Application Number:	15589629
Application Number:	15612497
Application Number:	15612537
Application Number:	15631816
Application Number:	15648016
Application Number:	15688156
Application Number:	16014623
Application Number:	16104251
Application Number:	16104267
Application Number:	16126736
Application Number:	16126745
Application Number:	16151605

Property Type	Number
Application Number:	16156622
Application Number:	16156639
Application Number:	16193240
Application Number:	16277395
Application Number:	16389254
Application Number:	16444527
Application Number:	16505021
Application Number:	16513090
Application Number:	16515652
Application Number:	16519891
Application Number:	16521045
Application Number:	16548310

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 9373319884
Email: carol.weatherby@angstronmaterials.com
Correspondent Name: NANOTEK INSTRUMENTS, INC.
Address Line 1: 1240 MCCOOK AVE.
Address Line 4: DAYTON, OHIO 45404

NAME OF SUBMITTER:	CAROL J. WEATHERBY
SIGNATURE:	/Carol J Weatherby/
DATE SIGNED:	09/20/2019

Total Attachments: 7
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PATENT ASSIGNMENT

This is an Assignment by **Nanotek Instruments, Inc.**, ("ASSIGNOR"), an Ohio corporation having an address of 1240 McCook Avenue, Dayton, OH 45404, to **Global Graphene Group, Inc.** ("ASSIGNEE"), a Delaware corporation having an address of 1240 McCook Avenue, Dayton, OH 45404, effective July 17, 2019 ("Effective Date").

WHEREAS, ASSIGNOR is the owner of all right, title and interest in and to the United States and foreign patents and applications identified in Appendix A attached hereto (collectively "PATENTS");

WHEREAS, ASSIGNEE, is desirous of acquiring and ASSIGNOR is willing and able to assign all right, title and interest in and to said PATENTS;

NOW THEREFORE, be it known that for certain good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to the ASSIGNEE, its successors, legal representatives and assigns, as of said Effective Date, all right, title and interest in and to the PATENTS, all related continuation, divisional, continuation-in-part and reissue applications, all related patent applications in foreign countries, all related applications pursuant to the Patent Cooperation Treaty and all related applications for extension filed or to be filed for the corresponding inventions, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights obtained for the inventions in the United States or any other country, including the right to bring any cause of action arising under the PATENTS prior to the Effective Date of this Agreement; ASSIGNOR also assigns any right, title or interest in and to the said inventions which has not already been transferred to ASSIGNEE; ASSIGNOR warrants that no assignment, license or encumbrance has been made with respect to the inventions or any patent therefor to a party other than the ASSIGNEE, and is under no obligation to make any assignment, license or encumbrance of the invention, application, or patent therefor to any other party; and the ASSIGNOR further agrees to cooperate with the ASSIGNEE in the sustaining of any and all said PATENTS and in confirming the ASSIGNEE'S exclusive ownership of the corresponding inventions.

IN WITNESS WHEREOF, this Assignment is executed on behalf of ASSIGNOR.

Nanotek Instruments, Inc.

Date: September 19, 2019

By: _____

Name: Bor Z. Jang

Title: CEO

STATE OF OHIO)
) ss.
COUNTY OF MONTGOMERY)

Before me, a Notary Public in and for said County and State, personally appeared Bor Z. Jang, who acknowledged himself to be the CEO of Nanotek Instruments, Inc., and that he being authorized to do so, executed the foregoing instrument for the purposes and considerations therein expressed, on behalf of Nanotek Instruments, Inc.

Given under my hand and seal of office this 19th day of September, 2019.

_____
Notary Public

My Commission Expires: _____

NOTARY PUBLIC STATE OF OHIO

Carol J Weatherby, Notary Public
In and for the State of Ohio
My Commission Expires Apr. 6, 2018
2024

ASSIGNEE does hereby confirm that it accepts the aforesaid Assignment of rights in said PATENTS.

Global Graphene Group, Inc.

Date: September 19, 2019

By: _____

Name: Bor Z. Jang

Title:

STATE OF OHIO)
) ss.
COUNTY OF MONTGOMERY)

Before me, a Notary Public in and for said County and State, personally appeared Bor Z. Jang, who acknowledged himself to be President of Global Graphene Group, Inc., and that he being authorized to do so, executed the foregoing instrument for the purposes and considerations therein expressed, on behalf of Global Graphene Group, Inc.

Given under my hand and seal of office this 19th day of September, 2019.

_____
Notary Public

NOTARY PUBLIC STATE OF OHIO

Carol J Weatherby, Notary Public
In and for the State of Ohio
My Commission Expires Apr. 8, 2019
2024

Appendix A

Inventors; Application Number; Title; Filing Date

Aruna Zhamu; Bor Z. Jang 16/548,310

MULTIVALENT METAL ION BATTERY HAVING A CATHODE LAYER OF PROTECTED GRAPHITIC CARBON AND MANUFACTURING METHOD 8/22/2019

Yu-Sheng Su; Hao-Hsun Chang; Yu-Ming Chen; Bor Z. Jang 16/521,045

BATTERY FAST-CHARGING AND COOLING SYSTEM AND METHOD OF OPERATING SAME 7/24/2019

Yu-Sheng Su; Yu-Ming Chen; Hao-Hsun Chang; Bor Z. Jang 16/519,891

BATTERY FAST-CHARGING SYSTEM AND METHOD OF OPERATING SAME 7/23/2019

Hao-Hsun Chang; Yu-Ming Chen; Yu-Sheng Su; Bor Z. Jang 16/515,652

TEMPERATURE-REGULATED BATTERY SYSTEM AND METHOD OF OPERATING SAME 7/18/2019

Yu-Ming Chen; Hao-Hsun Chang; Yu-Sheng Su; Bor Z. Jang 16/513,090

FAST-CHARGING BATTERY AND METHOD OF OPERATING SAME 7/16/2019

Yen-Po Lin; Yu-Sheng Su; Bor Z. Jang 16/505,021

PRELITHIATED ANODE ACTIVE MATERIAL PARTICLES FOR LITHIUM-ION BATTERIES AND PRODUCTION METHOD 7/8/2019

Aruna Zhamu; Bor Z. Jang 16/444,527

PARTIALLY AND FULLY SURFACE-ENABLED ALKALI METAL ION-EXCHANGING ENERGY STORAGE DEVICES 6/18/2019

Yi-jun Lin; Aruna Zhamu; Bor Z. Jang 16/389,254

GRAPHENE OXIDE-METAL NANOWIRE TRANSPARENT CONDUCTIVE FILM 4/19/2019

Aruna Zhamu; Hao-Hsun Chang; Bor Z. Jang 16/277,395

CHEMICAL-FREE PRODUCTION METHOD OF GRAPHENE-ENCAPSULATED ELECTRODE ACTIVE MATERIAL PARTICLES FOR BATTERY APPLICATIONS 2/15/2019

Aruna Zhamu; Bor Z. Jang 16/193,240

PRODUCTION PROCESS FOR HIGHLY CONDUCTING AND ORIENTED GRAPHENE FILM 11/16/2018

Yi-jun Lin; Yanbo Wang; Bor Z. Jang 16/156,639

PROCESS FOR HIGHLY CONDUCTIVE GRAPHITIC THICK FILMS 10/10/2018

Yi-jun Lin; Yanbo Wang; Bor Z. Jang 16/156,622

HIGHLY CONDUCTIVE GRAPHITIC THICK FILMS AND METHOD OF PRODUCTION 10/10/2018

Aruna Zhamu; Bor Z. Jang 16/151,605

SOLID STATE ELECTROLYTE FOR LITHIUM SECONDARY BATTERY 10/4/2018

Hui He; Aruna Zhamu; Bor Z. Jang 16/126,745

METHOD OF PROTECTING ANODE OF A LITHIUM-SULFUR BATTERY 9/10/2018

Hui He; Aruna Zhamu; Bor Z. Jang 16/126,736

LITHIUM-SULFUR BATTERY CONTAINING TWO ANODE-PROTECTING LAYERS 9/10/2018

Aruna Zhamu; Bor Z. Jang 16/104,267

SUPERCRITICAL FLUID PROCESS FOR PRODUCING GRAPHENE DISPERSION FROM COKE OR COAL 8/17/2018

Aruna Zhamu; Bor Z. Jang 16/104,251

DIRECT ULTRASONICATION PRODUCTION OF GRAPHENE SHEETS FROM COKE OR COAL 8/17/2018

Aruna Zhamu; Bor Z. Jang 16/014,623

METHOD OF IMPROVING CYCLE-LIFE OF A LITHIUM METAL SECONDARY BATTERY 6/21/2018

Aruna Zhamu; Bor Z. Jang 15/688,156

CONTINUOUS PROCESS FOR PRODUCING ELECTROCHEMICAL CELLS 8/28/2017

Aruna Zhamu; Bor Z. Jang 15/648,016

PARTIALLY AND FULLY SURFACE-ENABLED METAL ION-EXCHANGING ENERGY STORAGE DEVICES 7/12/2017

Yanbo Wang; Aruna Zhamu; Bor Z. Jang 15/631,816

METHODS FOR MASS-PRODUCING SILICON NANO POWDER AND GRAPHENE-DOPED SILICON NANO POWDER 6/23/2017

Aruna Zhamu; Bor Z. Jang 15/612,537

METHOD OF PRODUCING SHAPE-CONFORMABLE ALKALI METAL-SULFUR BATTERY 6/2/2017

Aruna Zhamu; Bor Z. Jang 15/612,497

SHAPE-CONFORMABLE ALKALI METAL-SULFUR BATTERY 6/2/2017

Chueh Liu; Aruna Zhamu; Bor Z. Jang 15/589,629

ROLLED ALKALI METAL BATTERIES AND PRODUCTION PROCESS 5/8/2017

Aruna Zhamu; Bor Z. Jang 15/365,049

GRAPHENE-PROTECTED LEAD ACID BATTERIES 11/30/2016

Aruna Zhamu; Wei Xiong; Bor Z. Jang 15/354,706

PROCESS FOR UNITARY GRAPHENE LAYER OR GRAPHENE SINGLE CRYSTAL 11/17/2016

Aruna Zhamu; Bor Z. Jang 15/175,715

ALKALI METAL BATTERY HAVING AN INTEGRAL 3D GRAPHENE-CARBON-METAL HYBRID FOAM-BASED ELECTRODE 6/7/2016

Aruna Zhamu; Bor Z. Jang 14/998,523

ALKALI METAL-SULFUR BATTERIES HAVING HIGH VOLUMETRIC AND GRAVIMETRIC ENERGY DENSITIES 1/15/2016

Aruna Zhamu; Bor Z. Jang 14/998,514

METHOD OF PRODUCING ALKALI METAL OR ALKALI-ION BATTERIES HAVING HIGH VOLUMETRIC AND GRAVIMETRIC ENERGY DENSITIES 1/15/2016

Aruna Zhamu; Bor Z. Jang 14/998,513

PRODUCTION PROCESS FOR ALKALI METAL-SULFUR BATTERIES HAVING HIGH VOLUMETRIC AND GRAVIMETRIC ENERGY DENSITIES 1/15/2016

Bor Z. Jang; Aruna Zhamu 13/184,787

NANO GRAPHENE PLATELET-BASED CONDUCTIVE INKS AND PRINTING PROCESS 7/18/2011

Aruna Zhamu; Bor Z. Jang 12/803,750

SUBMICRON-SCALE AND LOWER-MICRON GRAPHITIC FIBRILS AS AN ANODE ACTIVE MATERIAL FOR A LITHIUM ION BATTERY 7/6/2010