

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6379742

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NATURE OF THE CONVEYANCE, SHOULD BE A TERMINATION AND RELEASE previously recorded on Reel 054221 Frame 854. Assignor(s) hereby confirms the TERMINATION AND RELEASE.

CONVEYING PARTY DATA

Name	Execution Date
NANOTECH INDUSTRIAL SOLUTIONS, INC.	12/14/2016

RECEIVING PARTY DATA

Name:	EVONIK VENTURE CAPITAL GMBH, AS AGENT
Street Address:	RODENBACHER CHAUSSEE 4
City:	HANAU-WOLFGANG
State/Country:	GERMANY
Postal Code:	63457

PROPERTY NUMBERS Total: 13

Property Type	Number
Patent Number:	6841142
Patent Number:	7524481
Patent Number:	7018606
Patent Number:	7641869
Patent Number:	6710020
Patent Number:	6217843
Application Number:	14180927
Application Number:	14182949
Application Number:	14180955
Application Number:	14826692
Application Number:	62189254
Application Number:	62274933
Application Number:	62291229

CORRESPONDENCE DATA

Fax Number: (202)408-3141

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: 202-408-3121 X62348

Email: jean.paterson@cscglobal.com
Correspondent Name: CSC
Address Line 1: 1090 VERMONT AVENUE NW, SUITE 430
Address Line 4: WASHINGTON, D.C. 20005

NAME OF SUBMITTER:	JEAN PATERSON
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SIGNATURE:	/jep/
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DATE SIGNED:	11/02/2020
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Total Attachments: 18

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6377127

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
NANOTECH INDUSTRIAL SOLUTIONS, INC.	12/14/2016
RECEIVING PARTY DATA	
Name:	EVONIK VENTURE CAPITAL, GMBH, AS AGENT
Street Address:	RODENBACHER CHAUSSEE 4
City:	HANAU-WOLFGANG
State/Country:	GERMANY
Postal Code:	63457
PROPERTY NUMBERS Total: 13	
Property Type	Number
Patent Number:	6841142
Patent Number:	7524481
Patent Number:	7018606
Patent Number:	7641869
Patent Number:	6710020
Patent Number:	6217843
Application Number:	14180927
Application Number:	14182949
Application Number:	14180955
Application Number:	14826692
Application Number:	62189254
Application Number:	62274933
Application Number:	62291229
CORRESPONDENCE DATA	
Fax Number:	(202)408-3141
<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>	
Phone:	202-408-3121 X62348
Email:	jean.paterson@csoglobal.com
Correspondent Name:	CSC
Address Line 1:	1090 VERMONT AVENUE NW, SUITE 430

PATENT

REEL: 054276 FRAME: 0334



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 2, 2020

PTAS

CSC
1090 VERMONT AVENUE NW, SUITE 430
WASHINGTON, DC 20005

506330376

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 10/30/2020

REEL/FRAME: 054221/0854
NUMBER OF PAGES: 17

BRIEF: SECURITY INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 485915

ASSIGNOR:

NANOTECH INDUSTRIAL SOLUTIONS, INC. DOC DATE: 12/14/2016

ASSIGNEE:

EVONIK VENTURE CAPITAL, GMBH, AS
AGENT
RODENBACHER CHAUSSEE 4
HANAU-WOLFGANG, GERMANY 63457

APPLICATION NUMBER: 09308663

FILING DATE: 04/03/2000

PATENT NUMBER: 6217843

ISSUE DATE: 04/17/2001

TITLE: METHOD FOR PREPARATION OF METAL INTERCALATED FULLERENE-LIKE
METAL CHALCOGENIDES

APPLICATION NUMBER: 09959664

FILING DATE: 01/28/2002

PATENT NUMBER: 6841142

ISSUE DATE: 01/11/2005

TITLE: BULK SYNTHESIS OF LONG NANOTUBES OF TRANSITION METAL
CHALCOGENIDES

APPLICATION NUMBER: 10220596 FILING DATE: 12/19/2002
PATENT NUMBER: 6710020 ISSUE DATE: 03/23/2004
TITLE: HOLLOW FULLERENE-LIKE NANOPARTICLES AS SOLID LUBRICANTS IN
COMPOSITE METAL MATRICES

APPLICATION NUMBER: 10220688 FILING DATE: 05/22/2003
PATENT NUMBER: 7524481 ISSUE DATE: 04/28/2009
TITLE: REACTORS FOR PRODUCING INORGANIC FULLERENE-LIKE TUNGSTEN
DISULFIDE HOLLOW NANOPARTICLES AND NANOTUBES

APPLICATION NUMBER: 10415089 FILING DATE: 04/25/2003
PATENT NUMBER: 7018606 ISSUE DATE: 03/28/2006
TITLE: METHOD AND APPARATUS FOR PRODUCING INORGANIC FULLERENE-LIKE
NANOPARTICLES

APPLICATION NUMBER: 11326462 FILING DATE: 01/06/2006
PATENT NUMBER: 7641869 ISSUE DATE: 01/05/2010
TITLE: METHOD AND APPARATUS FOR PRODUCING INORGANIC FULLERENE-LIKE
NANOPARTICLES

APPLICATION NUMBER: 14180927 FILING DATE: 02/14/2014
PATENT NUMBER: 10557014 ISSUE DATE: 02/11/2020
TITLE: COMPOSITE MATERIALS INCLUDING INORGANIC FULLERENE-LIKE PARTICLES
AND INORGANIC TUBULAR-LIKE PARTICLES IN A POLYMER MATRIX

APPLICATION NUMBER: 14180955 FILING DATE: 02/14/2014
PATENT NUMBER: 10815357 ISSUE DATE: 10/27/2020
TITLE: COATING INCLUDING INORGANIC FULLERENE-LIKE PARTICLES AND
INORGANIC TUBULAR-LIKE PARTICLES

APPLICATION NUMBER: 14182949 FILING DATE: 02/18/2014
PATENT NUMBER: 10501673 ISSUE DATE: 12/10/2019
TITLE: INORGANIC FULLERENE-LIKE PARTICLES AND INORGANIC TUBULAR-LIKE
PARTICLES IN FLUIDS AND LUBRICANTS AND APPLICATIONS TO
SUBTERRANEAN DRILLING

APPLICATION NUMBER: 14826692 FILING DATE: 08/14/2015
PATENT NUMBER: 9446965 ISSUE DATE: 09/20/2016
TITLE: APPLICATIONS FOR INORGANIC FULLERENE-LIKE PARTICLES

APPLICATION NUMBER: 62189254 FILING DATE: 07/07/2015
PATENT NUMBER: ISSUE DATE:
TITLE: INDUSTRIAL LUBRICANT INCLUDING METAL CHALCOGENIDE PARTICLES AND
PHOSPHORUS-BASED ADDITIVE

APPLICATION NUMBER: 62274933 FILING DATE: 01/05/2016
PATENT NUMBER: ISSUE DATE:
TITLE: WATER BASED NANOPARTICLE DISPERSION

APPLICATION NUMBER: 62291229 FILING DATE: 02/04/2016
PATENT NUMBER: ISSUE DATE:
TITLE: NANOLOG AND NANOPARTICLES AND METHOD OF FORMATION

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

**TERMINATION AND RELEASE OF SECURITY INTEREST IN
PATENTS, TRADEMARKS AND COPYRIGHTS**

This **TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENTS, TRADEMARKS AND COPYRIGHTS**, ("Release"), is made by A.O. Consulting Ltd. as successor agent to Evonik Venture Capital GMBH ("Lender"), in favor Nanotech Industrial Solutions, Inc. a Delaware Corporation ("Grantor").

WHEREAS, pursuant to that certain Intellectual Property Security Agreement dated as of December 14, 2016 (as amended, restated, supplemented, modified, extended, renewed or replaced from time to time, the "Security Agreement") by and between the Grantor and Lender, Grantor granted to Lender a security interest in and to the patent registrations and patents applications, trademark registrations and trademark applications, and copyright registrations and copyright applications listed in the Security Agreement ("Collateral") as listed on Schedule A attached hereto;

WHEREAS, the Security Agreement was recorded at the United States Patent and Trademark Office ("USPTO") by the Lender on December 15, 2016 (Patent Reel 040992, at Frame 0046);

WHEREAS, A.O. Consulting Ltd. has been appointed successor agent to Evonik Venture Capital GMBH's interest in the Security Agreement and in turn the security interest in the Collateral; and

WHEREAS, A.O. Consulting Ltd. has authorized termination of the Security Agreement pursuant to the Authorization attached hereto on Schedule B; and

WHEREAS, Grantor has paid all of its outstanding indebtedness to the Lender.

NOW THEREFORE, in consideration of the mutual promises and undertakings set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and with the intention of being legally bound hereby, Lender and Grantor agree as follows:

SECTION 1. Defined Terms. Capitalized terms used herein without definition shall have the meanings ascribed to such terms in the Security Agreement.

SECTION 2. Termination and Release. Lender hereby:

(a) absolutely, unconditionally and irrevocably terminates the Security Agreement;

(b) absolutely, unconditionally and irrevocably terminates, cancels, forever discharges, and releases the mortgage, pledge, and hypothecation and lien on and security interest in and to the right, title, and interest in, to, and under the Collateral, including, but not limited to, the foregoing listed on Schedule A attached hereto;

(c) represents and warrants that it has full authority to execute and deliver this Release; and

(d) authorizes the recordation of this Release with the USPTO at Grantor's expense.

SECTION 3. Further Assurances. Lender hereby agrees to duly execute, acknowledge, procure and deliver any further documents and to do such other acts as may be reasonably necessary to effect the security interest release contemplated herein. To the extent that any other filings with any other governmental authority have been made with respect to any of the Collateral, Lender will execute and deliver a reasonable release or other instrument that will terminate any such filing and/or release any interests conveyed therein.

SCHEDULE A

NANOTECH INDUSTRIAL SOLUTIONS, INC.

**U.S. Patents and Trademarks Subject to Security Interest
Granted by NANOTECH INDUSTRIAL SOLUTIONS, INC.
In Favor of A.O. CONSULTING LTD.**

PATENTS AND PATENT APPLICATIONS

**Title: BULK SYNTHESIS OF LONG NANOTUBES OF TRANSITION METAL
CHALCOGENIDES**

Inventors: Reshef TENNE, Aude ROTHSCCHILD, Moshe HOMYONFER

Country	Application	Publication	Grant	Status
USA	02/05/2000 – 09/959,664		11/01/2005 -6,841,142	Granted

**Title: REACTORS FOR PRODUCING INORGANIC FULLERENE-LIKE TUNGSTEN
DISULFIDE HOLLOW NANOPARTICLES AND NANOTUBES**

Inventors: Reshef TENNE, Yishay FELDMAN, Alla ZAK, Rita ROSENTSVEIG

Country	Application	Publication	Grant	Status
USA	06/03/2001 – 10/220,688	03/06/2004 – 2004-0105808	28/04/2009 – 7,524,481	Granted

**Title: A METHOD AND APPARATUS FOR PRODUCING INORGANIC FULLERENE –
LIKE NANOPARTICLES**

Inventors: Reshef TENNE, Alla ZAK, Yishay FELDMAN, Rita ROSENTSVEIG

Country	Application	Publication	Grant	Status
USA	25/10/2001 – 10/415,089	29/01/2004 – 2004-0018306	28/03/2006 – 7,018,606	Granted
USA	06/01/2006 – 11/326,452	08/06/2006 – 2006-0120947	05/01/2010 – 7,641,869	Granted

**Title: HOLLOW FULLERENE- LIKE NANOPARTICLES AS SOLID LUBRICANTS IN
COMPOSITE METAL MATRICES**

Co-Applicant: HOLON ACADEMIC INSTITUTE OF TECHNOLOGY

Inventors: Reshef TENNE, Yishay FELDMAN, Lev RAPOPORT, Mark LVOVSKY, Volf
LESHCHINSKY

Country	Application	Publication	Grant	Status
USA	05/03/2001 – 10/220,596	31/07/2003 – 2003-0144155	23/03/2004 – 6,710,020	Granted

Title: METHOD FOR PREPARATION OF METAL INTERCALATED FULLERENE-LIKE METAL CHALCOGENIDES

Inventors: Reshef TENNE, Moshe HOMYONFER, Yishay FELDMAN

Country	Application	Publication	Grant	Status
USA	27/11/1997 – 09/308,663		17/04/2001 – 6,217,843	Granted

Title	Countries	Serial #	Filed Date
Composite Materials Including Inorganic Fullerene-Like Hollow Particles and Inorganic Tubular – Like particles in polymer matrix	US	14/180927	2/14/2014
Inorganic fullerene-like particles and inorganic tubular-like particles in fluids and lubricants and applications to subterranean drilling	US, CA, EP, IN	US 14/182949	2/18/2014
Coating including inorganic fullerene-like particles and inorganic tubular-like particles	US, CA, EP, IN	US 14/180955	2/14/2014
Applications for Inorganic Fullerene like particles	US	14/826692	8/14/2015
Industrial lubricant including metal chalcogenide particles and phosphorus – based additive	US	62/189254	7/7/2015
Water based nanoparticle dispersion	US	62/274933	1/2/2016
Nanolog and nanoparticles and method of formation	US	62/291229	2/4/2016

TRADEMARK REGISTRATIONS AND APPLICATIONS



U.S. Registration Number:

-	4,948,638	4,948,639	4,948,640	-	4,957,933
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Schedule B
A.O. Consulting Ltd. Authorization Documentation

NOTE CANCELLATION CERTIFICATE

Date: February __, 2018

To: Nanotech Industrial Solutions, Inc. (the "Corporation")

Re: Termination of Secured Convertible Promissory Notes

Reference is made to the following:

- a. the Secured Convertible Promissory Notes referenced on Schedule A hereto (each a "Note"); and
- b. the Security Agreement among the Corporation and the undersigned dated as of December 14, 2016, as amended by a First Amendment to Security Agreement dated as of May 2, 2017, as amended by a Second Amendment to Security Agreement dated as of October 13, 2017, as amended by a Third Amendment to Security Agreement dated as of December 18, 2017 (as amended, the "Security Agreement"); and
- c. the Intellectual Property Security Agreement among the Corporation and the undersigned dated as of December 14, 2016 (as amended, the "IP Security Agreement").

The undersigned hereby acknowledge, agree and confirm that:

- (i) each such Note, the Security Agreement and the IP Security Agreement is terminated and of no further force or effect; and
- (ii) neither the Corporation nor any of its direct or indirect subsidiaries has any further obligations or liabilities under any of the Notes, the Security Agreement or the IP Security Agreement (including any obligation to pay any principal amount, interest, penalties or other amounts under the Notes); and
- (iii) all security interests, mortgage, liens, pledges and other encumbrances granted by the Corporation in favor of the undersigned, or any of them, pursuant to the Security Agreement, the IP Security Agreement and otherwise are hereby automatically terminated and released; and
- (iv) the Corporation is authorized to file UCC termination statements and other documents terminating any and all such security interests, mortgages, liens, pledges and other encumbrances.

Reference is made to the Series C Preferred Stock Purchase Agreement of even date hereof by and among the undersigned, the Corporation and Nanotechnology Investments LLC (the "Purchase Agreement"). The undersigned hereby agree that, pursuant to the Purchase Agreement

and in exchange for the termination of the Notes (and all liability of the Corporation thereunder), the Corporation has issued to each of the undersigned shares of Series C-1 Preferred Stock of the Corporation and/or shares of Series C-2 Preferred Stock of the Corporation under the Purchase Agreement in the aggregate principal amount set forth beside such individual or entity's name on Schedule A to the Purchase Agreement.

Reference is made to the Intercreditor Agreement and First Amendment to Intercreditor Agreement pursuant to which the undersigned agreed that if seventy percent (70%) of the outstanding value of the Notes (as defined therein) agree to convert their Notes, then all parties thereto shall convert their Notes. The undersigned represent such seventy percent (70%) vote.

-signatures on following page-

The undersigned have duly executed and delivered this Note Cancellation Certificate as of the date first written above.

AMINVEST INT'L CORP

By: [Signature] AMINVEST INT'L CORP
Name: Lothar J. Winkler
Title: Director
Address: 11 Nikifora, Flat 1, 1080
Nicosia, Cyprus

A.O. CONSULTING LTD.

By: _____
Name: _____
Title: _____
Address: _____

BANYAN CAPITAL HOLDINGS LLC

By: _____
Name: _____
Title: _____
Address: _____

CEBEP, INC.

By: _____
Name: _____
Title: _____
Address: _____


Signature Page To Note Cancellation Certificate

The undersigned have duly executed and delivered this Note Cancellation Certificate as of the date first written above.

AMINVEST INT'L CORP

By: _____
Name: _____
Title: _____
Address: _____

A.O. CONSULTING LTD.

By: 
Name: Alexandra Ninkova
Title: Director
Address: Palm Grove House, P.O.
Box 438, Road Town, Tortola,
British Virgin Islands

BANYAN CAPITAL HOLDINGS LLC

By: _____
Name: _____
Title: _____
Address: _____

CEBEP, INC.

By: _____
Name: _____
Title: _____
Address: _____

Signature Page To Note Cancellation Certificate

The undersigned have duly executed and delivered this Note Cancellation Certificate as of the date first written above.

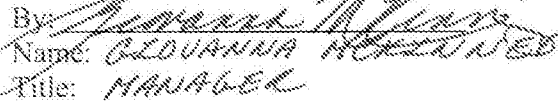
AMINVEST INT'L CORP

By: _____
Name: _____
Title: _____
Address: _____

A.O. CONSULTING LTD.

By: _____
Name: _____
Title: _____
Address: _____

BANYAN CAPITAL HOLDINGS LLC

By: 
Name: GIOVANNA HERNANDEZ
Title: MANAGER
Address: 1710 WALTON ROAD
SUITE 207
BLUE BELL, PA 19922

CEBEP, INC.

By: _____
Name: _____
Title: _____
Address: _____

Signature Page To Note Cancellation Certificate

The undersigned have duly executed and delivered this Note Cancellation Certificate as of the date first written above.

AMINVEST INT'L CORP

By: _____
Name: _____
Title: _____
Address: _____

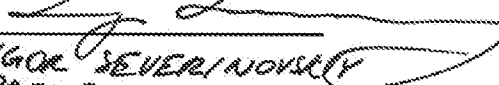
A.O. CONSULTING LTD.

By: _____
Name: _____
Title: _____
Address: _____

BANYAN CAPITAL HOLDINGS LLC

By: _____
Name: _____
Title: _____
Address: _____

CEBEP, INC.

By: 
Name: IGOR SEVERINOVSKIY
Title: PRESIDENT
Address: 139 BERNMONT ST.
BROOKLYN, NY 11235

Signature Page To Note Cancellation Certificate

ILV INVESTMENTS HOLDING AG

By: _____

Name: Geno Pulgar

Title: Director

Address: _____

Baarerstrasse 53, 6302 Zug, Switzerland

MSM CAPITAL HOLDINGS, LLC

By: _____

Name: _____

Title: _____

Address: _____

Eugene Kverel

Address: _____

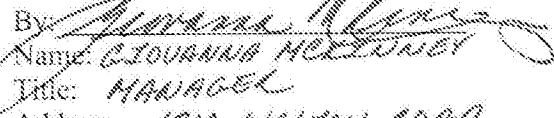
Mark Severinovsky

Address: _____

ILV INVESTMENTS HOLDING AG

By: _____
Name: _____
Title: _____
Address: _____

MSM CAPITAL HOLDINGS, LLC

By: 
Name: GIOVANNA MCELROY
Title: MANAGER
Address: 1710 WALTON ROAD
SUITE 207
BLUE BELL, PA 19422

Eugene Kverel
Address: _____

Mark Severinovsky
Address: _____

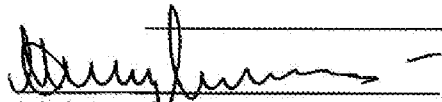
ILV INVESTMENTS HOLDING AG

By: _____
Name: _____
Title: _____
Address: _____

MSM CAPITAL HOLDINGS, LLC

By: _____
Name: _____
Title: _____
Address: _____

Eugene Kverel
Address: _____



Mark Severinovsky
Address: 300 Palisade Ave, #10A
Fort Lee, NJ 07024
USA

Signature Page To Note Cancellation Certificate

Schedule A
Secured Convertible Promissory Notes

Any and all Secured Convertible Promissory Notes issued pursuant to the Convertible Note Purchase Agreement dated as of December 14, 2016, as amended by a First Amendment to Purchase Agreement dated as of May 2, 2017, as amended by a Second Amendment to Purchase Agreement dated as of October 13, 2017, as amended by a Third Amendment to Purchase Agreement dated as of December 18, 2017, as amended by a Fourth Amendment to Purchase Agreement dated as of January 24, 2018.