

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5180829

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NANOFACORY CORPORATION	09/15/2017
RECEIVING PARTY DATA	
Name:	CBN NANO TECHNOLOGIES INC.
Street Address:	145 RICHMOND ROAD
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K1Z 1A1
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15806201
CORRESPONDENCE DATA	
Fax Number:	
<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:	6034481922
Email:	jsemprebon@nfcbn.com
Correspondent Name:	JEFFREY SEMPREBON
Address Line 1:	31 BANK ST.
Address Line 4:	LEBANON, NEW HAMPSHIRE 03766
ATTORNEY DOCKET NUMBER:	NANO-002.CIP2.CON1
NAME OF SUBMITTER:	JEFFREY E. SEMPREBON
SIGNATURE:	/Jeffrey E. Semprebon/
DATE SIGNED:	10/10/2018
Total Attachments: 5	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4665027

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NANOFACTORY CORPORATION	09/15/2017

RECEIVING PARTY DATA

Name:	CBN NANO TECHNOLOGIES INC.
Street Address:	145 RICHMOND ROAD
City:	OTTAWA
State/Country:	CANADA
Postal Code:	K1Z 1A1

PROPERTY NUMBERS Total: 24

Property Type	Number
Patent Number:	8171568
Patent Number:	8276211
Patent Number:	8743660
Patent Number:	8743659
Patent Number:	8755252
Patent Number:	8760972
Patent Number:	8787115
Patent Number:	8837258
Patent Number:	9244097
Patent Number:	9676677
Application Number:	13781526
Application Number:	13781515
Application Number:	13781532
Application Number:	14047668
Application Number:	14140328
Application Number:	15204845
Application Number:	14542547
Application Number:	14309167
Application Number:	15050067
Application Number:	14986568

PATENT

Property Type	Number
Application Number:	14319179
Application Number:	15153671
Application Number:	15353380
Application Number:	15588494

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: 6509187714

Email: bomahone@nfcbn.com

Correspondent Name: BENEDICT O'MAHONEY

Address Line 1: 742 WIDGEON STREET

Address Line 4: FOSTER CITY, CALIFORNIA 94404

NAME OF SUBMITTER:	BENEDICT O'MAHONEY
SIGNATURE:	/PJBenedict O'Mahoney#66494/
DATE SIGNED:	10/30/2017

Total Attachments: 3

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PATENT ASSIGNMENT AGREEMENT

WHEREAS Nanofactory Corporation, an entity having its principal place of business at 20360 Clifden Way, Cupertino, California, 95014-4459, United States ("hereinafter referred to as the **"Assignor"**) is the owner of the patents and patent applications listed in "Schedule A" attached hereto (hereinafter referred to as the **"Patents and Patent Applications"**);

AND WHEREAS by an asset purchase agreement dated July 19, 2017, the Assignor assigned to CBN Nano Technologies Inc., an entity having its principal place of business at 145 Richmond Road, Ottawa, Ontario, Canada, K1Z 1A1, together with its successors and assigns (hereinafter collectively referred to as the **"Assignee"**) all of the right, title and interest in and to the Patents and Patent Applications;

NOW THEREFORE for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the parties hereto, the Assignor confirms that effective September 15, 2017, it has sold, assigned, transferred and conveyed and by these presents does sell, assign, transfer and convey to the Assignee all of the Assignor's right, title and interest in and to the Patents and Patent Applications and any and all divisions, extensions, renewals, re-examinations, continuations, continuations-in-part, reissues, and any Letters Patent that issue therefrom, including all priority rights arising therefrom and all inventions disclosed and claimed therein, together with the right to apply for such Patents which may be granted for said inventions and all divisions, extensions, renewals, re-examinations, continuations, continuations-in-part, reissues, and Letters Patent and all other applications for said Patents which have been or shall be filed for said inventions, and the right of action and the right to claim relief for infringement of the Patents, the same to be held by the Assignee as fully and entirely as the same would have been held by the Assignor had this sale, assignment, transfer and conveyance not been made.

SIGNED at Cupertino, California this 15th day of September, 2017.

NANOFACORY CORPORATION

By: 

Name: Ralph C. Merkle

Title: President

“SCHEDULE A” TO PATENT ASSIGNMENT AGREEMENT

LIST OF PATENTS AND PATENT APPLICATIONS

Patents

No.	Title	Inventors	Issue Date
8,171,568	Positional Diamondoid Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	1 May 2012
8,276,211	Positional Diamondoid Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	25 Sep 2012
8,743,660	System for Coupling Acoustic Waves in Small Devices	Tad Hogg, Robert A. Freitas Jr.	3 Jun 2014
8,743,659	Systems and Methods for Communicating in a Multi-Device Environment	Tad Hogg, Robert A. Freitas Jr., Daniel Reda	3 Jun 2014
8,755,252	Acoustics for Power and Communication in Small Devices	Tad Hogg, Robert A. Freitas Jr.	17 Jun 2014
8,760,972	Method and Apparatus for Broadcasting an Acoustic Signal from a Micro-Device	Tad Hogg, Robert A. Freitas Jr.	26 Apr 2013
8,787,115	Acoustics for Power and Communication in Small Devices	Tad Hogg, Robert A. Freitas Jr.	22 Jul 2014
8,837,258	Method and Apparatus for Determining Acoustic Communication Rate in Micro-Devices	Tad Hogg, Robert A. Freitas Jr.	16 Sep 2014
9,244,097	Mechanosynthetic Tools for Atomic-Scale Fabrication	Robert A. Freitas Jr., Ralph C. Merkle	26 Jan 2016
9,676,677	Build Sequences for Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	13 Jun 2017

Applications

App. No.	Title	Inventors	Filed Date
13781526	Mechanosynthesis Trajectories	Robert A. Freitas Jr., Ralph C. Merkle	2013-02-28
13781515	Bootstrapping and Synthesis of Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	2013-02-28
13781532	Methods, Systems and Workpieces Using Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	2013-02-28
14047668	Mechanosynthetic Methods for Atomic-Scale Fabrication	Robert A. Freitas Jr., Ralph C. Merkle	2013-10-07
14140328	System and Method for Creating a Composite Acoustic Field	Robert A. Freitas Jr., Tad Hogg	2013-12-24
15204845	Methods, Systems and Workpieces Using	Robert A. Freitas Jr., Ralph C. Merkle	2016-07-07

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	Mechanosynthesis		
14542547	Mechanosynthesis Process and Products	Robert A. Freitas Jr., Ralph C. Merkle	2014-11-15
14309167	Precise Positioning in Small Structures	James Ryley	2014-06-19
15050067	Positional Diamondoid Mechanosynthesis	Robert A. Freitas Jr., Ralph C. Merkle	2016-02-22
14986568	Mechanical Computing Systems	Ralph C. Merkle, Robert A. Freitas Jr., James Ryley, Matthew Moses, Tad Hogg	2015-12-31
14319179	Micro-Devices in Diffusion-Limited Regimes	Tad Hogg	2014-06-30
15153671	Systems and Methods for Mechanosynthesis	Ralph C. Merkle, Robert A. Freitas Jr., Jeremy Barton, Aru Hill, Michael Drew, Damian Allis, Tait Takatani, Michael Shawn Marshall, Matieu Durand	2016-05-12
15353380	Sequential Tip Systems and Methods for Positionally Controlled Chemistry	Ralph C. Merkle, Robert A. Freitas Jr., Jeremy Barton, Aru Hill, Michael Drew, Damian Allis, Tait Takatani, Michael Shawn Marshall, Matthew Kennedy,	2016-12-20
15588494	Build Sequences for Mechanosynthesis	Damian Allis, Jeremy Barton, Michael Drew, Robert A. Freitas Jr., Aru Hill, Matthew Kennedy, Ralph C. Merkle, Tait Takatani, Michael Shawn Marshall	2017-05-05

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RECORDED: 10/30/2018

PATENT
REEL: 043986 FRAME: 0970