504719450 01/09/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4766173

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		GOVERNMENT INTERES	t agre	EEMENT	
CONVEYING PARTY D	ΑΤΑ				
		Name			Execution Date
NUTECH VENTURES					12/05/2017
	TA				
RECEIVING PARTY DA		L SCIENCE FOUNDATION			
Street Address:	_	ENHOWER AVE			
City:	ALEXAN				
State/Country:	VIRGINIA				
Postal Code:	22314				
		Nerrete en			
Property Type		Number			
Application Number:		0862679			
Application Number: Application Number:		989242			
Application Number:		550705			
Application Number:		477263			
Application Number:		607730			
Application Number:	10	191715			
Application Number:	09	313275			
Application Number:	10	989243			
Application Number:	10	023449			
Application Number: Application Number:		023449 0812913			
Application Number: Application Number:	09				
Application Number: Application Number: Application Number:	09 10 60	0812913 0022833 0255821			
Application Number: Application Number: Application Number: Application Number:	09 10 60 09	0812913 0022833 0255821 0132410			
Application Number: Application Number: Application Number:	09 10 60 09 09	0812913 0022833 0255821			

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.

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NAME OF SUBMITTER:	COURTNEY GRATE	
SIGNATURE:	/Courtney Grate/	
DATE SIGNED:	01/09/2018	
Total Attachments: 16		
source=1375_GSCCL#page1.tif		
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Executive Order 9424: Government Support License (Government Support Clause)

Invention title: <u>Synthesis of a Helix</u>

Inventor(s): <u>Andrzej T Rajca</u>

U.S. Filing/Issue Date: ______05/22/2001 _____

Patent or Application Serial No: 09/862,679

Grant/Contract Number(s): CHE9806954

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed	this <u>5th</u> day of <u>Jecember</u> 20/7.
Ву:	Brad Roth, Ph.D.
Signati	ire: Start Aft
Title:	Associate Vice Chancellor for Technology Development

For: <u>NUtech Ventures</u>

At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: <u>Hierarchical L4 and L7 Network-Clustered Dispatchers</u>

Inventor(s): <u>Stephen Goddard</u>

U.S. Filing/Issue Date: <u>11/15/2004</u>

Patent or Application Serial No: 10/989,242

Grant/Contract Number(s): EPS0091900, DUE0094903

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this day of	leamhn	20 <u>/</u> 7
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By: Brad Roth, Ph.D

Signature:

Title: Associate Vice Chancellor for Technology Development

For: <u>NUtech Ventures</u>

At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Magnetic Memory Using Chromium Oxide Junctions

Inventor(s): Jiashi Yang, Andrei Sokolov, Bernard Doudin

U.S. Filing/Issue Date: ______04/30/2002

Patent or Application Serial No: 10/135,348

Grant/Contract Number(s):_____ DMR9874657, DMR9802126

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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1

Signed	this 3^{12} day of lecember 2017 .
Ву:	Brad Roth, Ph.D.
Signatı	ire: Startet
Title:	Associate Vice Chancellor for Technology Development
For:	NUtech Ventures
At	2021 Transformation Drive, Suite 2220, Lincoln, NE 68508 Business Address

~U

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Live Bioelectronics: Live Microorganism or Cell Gated Transistor

Inventor(s): Ravi Saraf, Sanjun Niu, Vikas Berry, Mehmet Inan

U.S. Filing/Issue Date: _____ 10/18/2006

Patent or Application Serial No: 11/550,705

Grant/Contract Number(s): CMS0534812

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this5 th	_ day of	December	20[7].
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By: Brad Roth, Ph.E

Signature:

Title: Associate Vice Chancellor for Technology Development

- For: <u>NUtech Ventures</u>
- At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

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Executive Order 9424: Government Support License (Government Support Clause)

Invention title:Highly Resolved, Low Noise, Room-Temperature Coulomb-Staircase andBlockade Up to 2.2V in Isolated 50 Micron Long One Dimensional Necklace of 10 nm AuParticles

Inventor(s): Ravi Saraf, Vikas Berry , Sanjun Niu

U.S. Filing/Issue Date: 06/29/2006
Patent or Application Serial No: 11/477,263

Grant/Contract Number(s): CMS0534812

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed	this 5 th day of <u>December</u> 2017.
By:	Brad Roth, Ph.D.
Signati	ure: Brad Rott
Title:	Associate Vice Chancellor for Technology Development
For:	NUtech Ventures

At 2021 Transformation Drive, Suite 2220, Lincoln, NE 68508

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Method for Developing Critical Thinking and Evaluation Skills and for

Analyzing Learner Responses to Informational Content

Inventor(s): Christy Horn, Roger Bruning

U.S. Filing/Issue Date: 06/27/2003

Patent or Application Serial No: 10/607,730

Grant/Contract Number(s): DUE9981106

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this <u>5¹</u> day of <u>Jecembra</u> 20/7. By:

Signature:

Brad Roth, Ph.D. Ire: Suntat

Title: Associate Vice Chancellor for Technology Development

- For: <u>NUtech Ventures</u>
- At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title:Hyperthermophilic Alpha-Glucosidase Gene and its Use and HeterologousExpression of Hyperthermophilic Archaeal Enzymes in Plants

Inventor(s):	Paul Blum	
U.S. Filing/Issue Date:	07/09/2002	
Patent or Application S	Serial No:10/191,715	
Grant/Contract Numb	er(s):MCB9604000, EPS9255225	

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

5th day of December 2017. Signed this By: Brad Roth, Ph.C

Signature:

Title: Associate Vice Chancellor for Technology Development

- For: <u>NUtech Ventures</u>
- At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: <u>Hyperthermophilic Alpha-Glucosidase Gene and its Use and</u> <u>Heterologous Expression of Hyperthermophilic Archaeal Enzymes in Plants</u>

Inventor(s): Paul Blum

U.S. Filing/Issue Date: ______ 05/18/1999

Patent or Application Serial No: 09/313,275

Grant/Contract Number(s):______MCB9604000, EPS9255225

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this 5th day of December 2017. Bv: Brad Roth, Ph.D. Signature: Title: Associate Vice Chancellor for Technology Development

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(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Hierarchical FLB and L4 or L7 Dispatchers

Inventor(s): <u>Stephen Goddard</u>

U.S. Filing/Issue Date: _____ 11/15/2004

Patent or Application Serial No: 10/989,243

Grant/Contract Number(s): DUE0094903, EPS0091900

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this ______ day of ______ 20/7.

By: Brad Roth, Ph.D.

Signature:

bulkt

Title: Associate Vice Chancellor for Technology Development

For: <u>NUtech Ventures</u>

At 2021 Transformation Drive, Suite 2220, Lincoln, NE 68508

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title:	Intergrated Methods of Manufacturing of Graded and Layered Nanofiber
Assemblies	

23,449
8

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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day of_ /) ecembr Signed this

By: Brad Roth, Ph.D.

Signature:

Title: Associate Vice Chancellor for Technology Development

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Executive Order 9424: Government Support License (Government Support Clause)

Invention title: <u>Acetolactate Synthase Gene Construct for the Transformation of Nuclear</u> and Extra Nuclear Genomes

Inventor(s):	Donald W	rutti	
U.S. Filing/Issue Date:	03,	/20/2001	
Patent or Application 9	Serial No:	09/812,913	
Grant/Contract Numb	er(s):IBN	19723333	

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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20/7 day of Signed this By: Brad Roth, Ph.D. Signature: Title: Associate Vice Chancellor for Technology Development

- For: <u>NUtech Ventures</u>
- At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Intergraded Methods of Manufacturing of Ordered Nanofiber Assemblies

Inventor(s): Yuris Dzenis

U.S. Filing/Issue Date: <u>12/17/2001</u>

Patent or Application Serial No: 10/022,833

Grant/Contract Number(s):_____ DMI9813098

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed	this day of 20/7.
By:	Brad Roth, Ph.D.
Signatu	ire: Baillott
Title:	Associate Vice Chancellor for Technology Development
For:	NUtech Ventures
At	2021 Transformation Drive, Suite 2220, Lincoln, NE 68508 Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Intergraded Methods of Manufacturing of Ordered Nanofiber Assemblies

Inventor(s): <u>Yuris Dzenis</u>

U.S. Filing/Issue Date: 12/15/2000

Patent or Application Serial No: 60/255,821

Grant/Contract Number(s): DMI9813098

Foreign Applications filed/intended in (countries):_____

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Ву:	Brad Roth, Ph.D.
Signatı	ire: Sallat
Title:	Associate Vice Chancellor for Technology Development
For:	NUtech Ventures
At	2021 Transformation Drive, Suite 2220, Lincoln, NE 68508

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

 Invention title:
 Redox Potential Microelectrode: Its Fabrication and Application

 Inventor(s):
 Tian C Zhang

 U.S. Filing/Issue Date:
 08/11/1998

 Patent or Application Serial No:
 09/132,410

 Grant/Contract Number(s):
 EPS9255225

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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By: Brad Roth, Ph.D

Signature:

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- For: <u>NUtech Ventures</u>
- At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Alkali Atom Spin Filter for Electrons

Inventor(s): Brooks Hitt, Timothy Gay, Herman Batelaan

U.S. Filing/Issue Date: ______ 07/02/1999

Patent or Application Serial No: 09/347,674

Grant/Contract Number(s): PHY9504350

Foreign Applications filed/intended in (countries):

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signatu	ire: Sul lett
Title:	Associate Vice Chancellor for Technology Development
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At	2021 Transformation Drive, Suite 2220, Lincoln, NE 68508

(Sign and submit this executed document to the United States Patent and Trademark Office – Electronic Patent Assignment System (EPAS) http://epas.uspto.gov)

Executive Order 9424: Government Support License (Government Support Clause)

Invention title: Forming B 1-X C X Semiconductor Devices by Chemical Vapor Deposition

Inventor(s): <u>Peter Dowben</u>

U.S. Filing/Issue Date: _____07/07/1993

Patent or Application Serial No: 08/087,975

Grant/Contract Number(s): _____ DDM9222880, DDM9345686

Foreign Applications filed/intended in (countries):_____

The invention identified above is a subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights Clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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By: Brad Roth, Ph.D.

Signature:

Title: Associate Vice Chancellor for Technology Development

For: <u>NUtech Ventures</u>

At <u>2021 Transformation Drive, Suite 2220, Lincoln, NE 68508</u> Business Address

RECORDED: 01/09/2018