

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4611688

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JASON W. FLEISCHER	08/24/2017
CHIEN-HUNG LU	08/10/2017
XIAOHANG SUN	08/22/2017
MATTHEW REICHERT	08/18/2017
HUGO DEFLENNE	08/22/2017
RECEIVING PARTY DATA	
Name:	TRUSTEES OF PRINCETON UNIVERSITY
Street Address:	87 PROSPECT AVENUE
City:	PRINCETON
State/Country:	NEW JERSEY
Postal Code:	08540
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15663535
CORRESPONDENCE DATA	
Fax Number:	(610)251-1408
<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:	610-251-5775
Email:	patents@saul.com, Jen.Chungo@saul.com
Correspondent Name:	SAUL EWING ARNSTEIN & LEHR LLP
Address Line 1:	1200 LIBERTY RIDGE DRIVE
Address Line 2:	SUITE 200
Address Line 4:	WAYNE, PENNSYLVANIA 19087-5569
ATTORNEY DOCKET NUMBER:	367436.00014
NAME OF SUBMITTER:	GREGORY S. BERNABEO, REG. NO. 44,032
SIGNATURE:	/Gregory S. Bernabeo/
DATE SIGNED:	09/26/2017
Total Attachments: 10	

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif
source=Assignment#page6.tif
source=Assignment#page7.tif
source=Assignment#page8.tif
source=Assignment#page9.tif
source=Assignment#page10.tif

ASSIGNMENT

WHEREAS, I/We, **Jason W. Fleischer**, residing at 721 Prospect Ave, Princeton, NJ 08540, USA, **Chien-Hung Lu**, residing at 6459 Cotton Ave, Newark, CA 94560, USA, **Xiaohang Sun**, residing at 151 Taylor Court, Apt. 108, Princeton, NJ 08540, **Matthew Reichert**, residing at 10 New Road, Apt. 1A, Kendall Park, NJ 08824, USA, and **Hugo Defienne**, residing at 10 rue d'Armorique, Étang Salé 97427, France, have made certain inventions or discoveries (or both) in:

METHOD AND SYSTEM FOR QUANTUM INFORMATION PROCESSING AND COMPUTATION

for which U.S. Patent Application No. 15/663,535 was filed on July 28, 2017;

AND WHEREAS, the Trustees of Princeton University, having a place of business at 87 Prospect Avenue, Princeton, NJ 08540, USA (hereinafter "Assignee"), is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;


3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

_____	_____	 _____	<u>8/24/17</u> _____
(Witness)	(Date)	Jason W. Fleischer	(Date)
_____	_____	_____	_____
(Witness)	(Date)	Chien-Hung Lu	(Date)
_____	_____	_____	_____
(Witness)	(Date)	Xiaohang Sun	(Date)
_____	_____	_____	_____
(Witness)	(Date)	Matthew Reichert	(Date)
_____	_____	_____	_____
(Witness)	(Date)	Hugo Defienne	(Date)

ASSIGNMENT

WHEREAS, I/We, **Jason W. Fleischer**, residing at 721 Prospect Ave, Princeton, NJ 08540, USA, **Chien-Hung Lu**, residing at 6459 Cotton Ave, Newark, CA 94560, USA, **Xiaohang Sun**, residing at 151 Taylor Court, Apt. 108, Princeton, NJ 08540, **Matthew Reichert**, residing at 10 New Road, Apt. 1A, Kendall Park, NJ 08824, USA, and **Hugo Defienne**, residing at 10 rue d'Armorique, Étang Salé 97427, France, have made certain inventions or discoveries (or both) in:

**METHOD AND SYSTEM FOR QUANTUM INFORMATION PROCESSING AND
COMPUTATION**

for which U.S. Patent Application No. 15/663,535 was filed on July 28, 2017;

AND WHEREAS, the Trustees of Princeton University, having a place of business at 87 Prospect Avenue, Princeton, NJ 08540, USA (hereinafter "Assignee"), is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

_____ (Witness)	_____ (Date)	Jason W. Fleischer	_____ (Date)
_____ (Witness)	_____ (Date)	<i>Chien-Hung Lu</i> Chien-Hung Lu	<i>08/10/2017</i> (Date)
_____ (Witness)	_____ (Date)	Xiaohang Sun	_____ (Date)
_____ (Witness)	_____ (Date)	Matthew Reichert	_____ (Date)
_____ (Witness)	_____ (Date)	Hugo Defienne	_____ (Date)

ASSIGNMENT

WHEREAS, I/We, **Jason W. Fleischer**, residing at 721 Prospect Ave, Princeton, NJ 08540, USA, **Chien-Hung Lu**, residing at 6459 Cotton Ave, Newark, CA 94560, USA, **Xiaohang Sun**, residing at 151 Taylor Court, Apt. 108, Princeton, NJ 08540, **Matthew Reichert**, residing at 10 New Road, Apt. 1A, Kendall Park, NJ 08824, USA, and **Hugo Defienne**, residing at 10 rue d'Armorique, Étang Salé 97427, France, have made certain inventions or discoveries (or both) in:

METHOD AND SYSTEM FOR QUANTUM INFORMATION PROCESSING AND COMPUTATION

for which U.S. Patent Application No. 15/663,535 was filed on July 28, 2017;

AND WHEREAS, the Trustees of Princeton University, having a place of business at 87 Prospect Avenue, Princeton, NJ 08540, USA (hereinafter "Assignee"), is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

_____ (Witness)	_____ (Date)	Jason W. Fleischer	_____ (Date)
_____ (Witness)	_____ (Date)	Chien-Hung Lu	_____ (Date)
_____ (Witness)	_____ (Date)	<i>Xiaohang Sun</i> Xiaohang Sun	<i>08/22/2017</i> (Date)
_____ (Witness)	_____ (Date)	Matthew Reichert	_____ (Date)
_____ (Witness)	_____ (Date)	Hugo Defienne	_____ (Date)

ASSIGNMENT

WHEREAS, I/We, **Jason W. Fleischer**, residing at 721 Prospect Ave, Princeton, NJ 08540, USA, **Chien-Hung Lu**, residing at 6459 Cotton Ave, Newark, CA 94560, USA, **Xiaohang Sun**, residing at 151 Taylor Court, Apt. 108, Princeton, NJ 08540, **Matthew Reichert**, residing at 10 New Road, Apt. 1A, Kendall Park, NJ 08824, USA, and **Hugo Defienne**, residing at 10 rue d'Armorique, Étang Salé 97427, France, have made certain inventions or discoveries (or both) in:

**METHOD AND SYSTEM FOR QUANTUM INFORMATION PROCESSING AND
COMPUTATION**

for which U.S. Patent Application No. 15/663,535 was filed on July 28, 2017;

AND WHEREAS, the Trustees of Princeton University, having a place of business at 87 Prospect Avenue, Princeton, NJ 08540, USA (hereinafter "Assignee"), is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

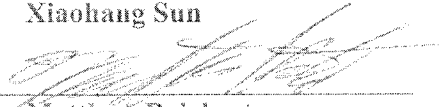
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

_____ (Witness)	_____ (Date)	Jason W. Fleischer	_____ (Date)
_____ (Witness)	_____ (Date)	Chien-Hung Lu	_____ (Date)
_____ (Witness)	_____ (Date)	Xiaohang Sun	_____ (Date)
_____ (Witness)	_____ (Date)	 Matthew Reichert	<u>8/18/17</u> (Date)
_____ (Witness)	_____ (Date)	Hugo Defienne	_____ (Date)

ASSIGNMENT

WHEREAS, I/We, **Jason W. Fleischer**, residing at 721 Prospect Ave, Princeton, NJ 08540, USA, **Chien-Hung Lu**, residing at 6459 Cotton Ave, Newark, CA 94560, USA, **Xiaohang Sun**, residing at 151 Taylor Court, Apt. 108, Princeton, NJ 08540, **Matthew Reichert**, residing at 10 New Road, Apt. 1A, Kendall Park, NJ 08824, USA, and **Hugo Defienne**, residing at 10 rue d'Armorique, Étang Salé 97427, France, have made certain inventions or discoveries (or both) in:

METHOD AND SYSTEM FOR QUANTUM INFORMATION PROCESSING AND COMPUTATION

for which U.S. Patent Application No. 15/663,535 was filed on July 28, 2017;

AND WHEREAS, the Trustees of Princeton University, having a place of business at 87 Prospect Avenue, Princeton, NJ 08540, USA (hereinafter "Assignee"), is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

(Witness)	(Date)	Jason W. Fleischer	(Date)
-----------	--------	---------------------------	--------

(Witness)	(Date)	Chien-Hung Lu	(Date)
-----------	--------	----------------------	--------

(Witness)	(Date)	Xiaohang Sun	(Date)
-----------	--------	---------------------	--------

(Witness)	(Date)	Matthew Reichert	(Date)
-----------	--------	-------------------------	--------

(Witness)	(Date)	 Hugo Defienne	08/22/2017 (Date)
-----------	--------	--	----------------------