PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

tylesheet version v1.2

EPAS ID: PAT2929560

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL J. BUREK	01/23/2013
NATHALIE DE LEON	01/22/2013
MARKO LONCAR	01/24/2013
MIKHAIL D. LUKIN	01/23/2013
BRENDAN SHIELDS	01/24/2013

RECEIVING PARTY DATA

Name:	President and Fellows of Harvard College	
Street Address:	17 Quincy Street	
City:	Cambridge	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14370107

CORRESPONDENCE DATA

Fax Number: (617)432-2788

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: (617) 432-0923

Email: janet_maher@harvard.edu

Correspondent Name: ANNE CRAIG

Address Line 1: 1350 MASSACHUSETTS AVE

Address Line 2: HARVARD UNIVERSITY, OFFICE OF TECH. DEV.

Address Line 4: CAMBRIDGE, MASSACHUSETTS 02138

ATTORNEY DOCKET NUMBER:	4382
NAME OF SUBMITTER:	ANNE CRAIG
SIGNATURE:	/aic/
DATE SIGNED:	07/08/2014

Total Attachments: 9

source=20130129 - PCT US13-020322 Executed Assignment#page1.tif

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

Marko Loncar, Mikhail D. Lukin, Nathalie de Leon, Michael J. Burek and Brendan Shields

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

SMALL-SCALE FABRICATION SYSTEMS AND METHODS

described in PCT Appl. No. US13/020322, filed January 4, 2013; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever

requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

1/24/2013	Amio/	
Date	Marko Loncar	
1/24/2013	Anna Minei dina	No. of Concession, Name of Street, or other Desires.
Date	Witness	
Date	vvitness	
	Witness's Printed Name	
Date	Mikhail D. Lukin	
Date	Witness	
	Witness's Printed Name	
Date	Nathalie de Leon	
	YY	
Date	Witness	

01/23/2013	Mulled Jointh
Date	Michael J. Burek
1/23/13	Kathleen Messe
Date	Witness
	Kathleen Masse
	Witness's Printed Name
Date	Brendan Shields
Date	Witness
	Witness's Printed Name

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

Marko Loncar, Mikhail D. Lukin, Nathalie de Leon, Michael J. Burek and Brendan Shields

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

SMALL-SCALE FABRICATION SYSTEMS AND METHODS

described in PCT Appl. No. US13/020322, filed January 4, 2013; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assigner further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever

requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Date	Marko Loncar
Date	Witness
	Witness's Printed Name
Jan. 23 2013	Mr. Let
Date	Mikhail D. Lukin
1/23/2013	Joen Hamilton Witness
Date	Witness
	Joan HamiLTON
	Witness's Printed Name
Date	Nathalie de Leon
Date	Witness
	Witness's Printed Name

Date	Michael J. Burek
Date	Witness
	Witness's Printed Name
1/24/2013	Brandan Shield
Date	Brendan Shields
1/24/2013 Date	Joan Hamilton
Date	Joan Hamilton
	Witness's Printed Name

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned:

Marko Loncar, Mikhail D. Lukin, Nathalie de Leon, Michael J. Burek and Brendan Shields

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street, Cambridge, Massachusetts 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title and interest throughout the world in and to any and all inventions for:

SMALL-SCALE FABRICATION SYSTEMS AND METHODS

described in PCT Appl. No. US13/020322, filed January 4, 2013; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever

requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors or omissions in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Date	Marko Loncar
Date	Witness
	Witness's Printed Name
Date	Mikhail D. Lukin
Date	Witness
	Witness's Printed Name
1/27/13	asra
Date	Nathalie de Leon
1/22/13	
Date	Witness
	Michael Gullans
	Witness's Printed Name

2

Date	Michael J. Burek
Date	Witness
	Witness's Printed Name
Date	Brendan Shields
Date	Witness
	Witness's Printed Name