

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3327982

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BOBAK MOSADEGH	09/04/2014
ROBERT F. SHEPHERD	04/27/2015
GEORGE M. WHITESIDES	09/10/2014
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: 2	
Property Type	Number
Application Number:	14464396
PCT Number:	US1451818
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:	(617) 496-7209
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:	4820
NAME OF SUBMITTER:	ANNE CRAIG
SIGNATURE:	/aic/
DATE SIGNED:	04/27/2015
Total Attachments: 6	
source=HU4820 Assignment - PCT and US Utility#page1.tif	
source=HU4820 Assignment - PCT and US Utility#page2.tif	

source=HU4820 Assignment - PCT and US Utility#page3.tif
source=HU4820 Assignment - PCT and US Utility#page4.tif
source=HU4820 Assignment - PCT and US Utility#page5.tif
source=HU4820 Assignment - PCT and US Utility#page6.tif

Patent Assignment
HU Case 4820
Appl. No(s): 14/464,396, PCT/US14/51818

ASSIGNMENT

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

Bobak Mosadegh, Robert F. Shepherd, and George M. Whitesides

(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:

Low Strain Pneumatic Networks for Soft Robots

described in **U.S. Patent Application No. 14/464,396** and **International Patent Application No. PCT/US14/51818, filed August 20, 2014**, 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


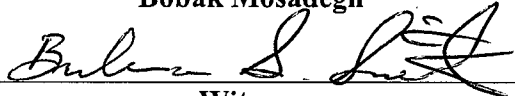
Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes 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,

Patent Assignment
HU Case 4820
Appl. No(s): 14/464,396, PCT/US14/51818

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.

<u>9-5-14</u> Date	<u></u> Bobak Mosadegh
<u>9/5/2014</u> Date	<u></u> Witness Barbara S. Smith Witness's Printed Name

<u> </u> Date	<u> </u> Robert F. Shepherd
<u> </u> Date	<u> </u> Witness <u> </u> Witness's Printed Name

<u> </u> Date	<u> </u> George M. Whitesides
<u> </u> Date	<u> </u> Witness <u> </u> Witness's Printed Name

ASSIGNMENT

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

Bobak Mosadegh, Robert F. Shepherd, and George M. Whitesides

(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:

Low Strain Pneumatic Networks for Soft Robots

described in U.S. Patent Application No. 14/464,396 and International Patent Application No. PCT/US14/51818, filed August 20, 2014, 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

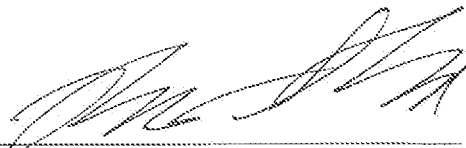
Assignor further agrees, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes 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,

Patent Assignment
HU Case 4820
Appl. No(s): 14/464,396, PCT/US14/51818

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	Bobak Mosadegh
_____	_____
Date	Witness
_____	_____
	Witness's Printed Name
4/27/15	
_____	_____
Date	Robert F. Shepherd
_____	_____
Date	Witness
_____	_____
	Witness's Printed Name
_____	_____
Date	George M. Whitesides
_____	_____
Date	Witness
_____	_____
	Witness's Printed Name

ASSIGNMENT

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

Bobak Mosadegh, Robert F. Shepherd, and George M. Whitesides

(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:

Low Strain Pneumatic Networks for Soft Robots

described in U.S. Patent Application No. 14/464,396 and International Patent Application No. PCT/US14/51818, filed August 20, 2014, 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,

Patent Assignment
HU Case 4820
Appl. No(s): 14/464,396, PCT/US14/51818

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 Bobak Mosadegh

Date Witness

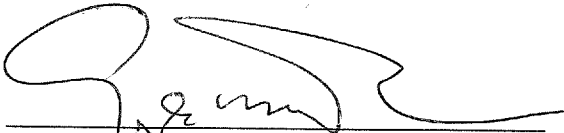
Witness's Printed Name

Date Robert F. Shepherd

Date Witness

Witness's Printed Name

9/10/14
Date


George M. Whitesides

9/10/14
Date


Witness

Melissa Le Brand
Witness's Printed Name