# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6621222

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KRIPA K. VARANASI	01/24/2017
MAHER DAMAK	02/17/2017
SEYED REZA MAHMOUDI	05/23/2017
NASIM HYDER	01/20/2017

### **RECEIVING PARTY DATA**

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17123183

## CORRESPONDENCE DATA

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Correspondent Name: ADAM S. ZEIGER

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Address Line 2: 600 ATLANTIC AVENUE

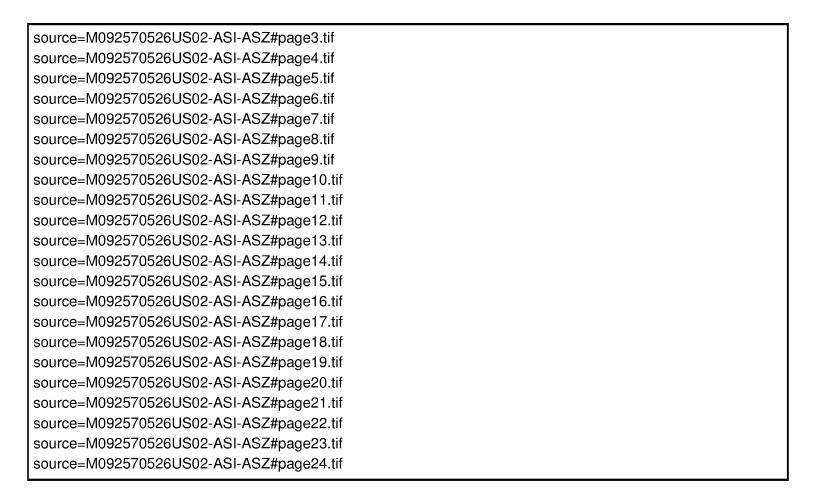
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ATTORNEY DOCKET NUMBER:	M0925.70526US02
NAME OF SUBMITTER:	CHRISTEN M. LASHUA
SIGNATURE:	/Christen M. Lashua/
DATE SIGNED:	03/25/2021

**Total Attachments: 24** 

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PATENT 506574443 REEL: 055713 FRAME: 0129



PATENT REEL: 055713 FRAME: 0130

#### ASSIGNMENT

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

- Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts 1 Non-profit Corporation having a place of business at 77 Massachusetts Avenue; Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 20, 2016 under No. 15/299,278, bearing Attorney Docket No. M0925.70526US01, and entitled SYSTEMS AND METHODS FOR SURFACE RETENTION OF FLUIDS and in the International Patent Application filed in the United States Patent and Trademark Office as Receiving Office on October 20, 2016 under No. PCT/US2016/057956 bearing Attorney Docket No. M0925,70526W000 and entitled SYSTEMS AND METHODS FOR SURFACE RETENTION OF FLUIDS and in and to the application and all corresponding provisional, nonprovisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Attorney Docket No. M0925.70526US01

Page 1 of 6

including, but not limited to, the	nose documents specified above and any necessary corrective
assignments.  This instrument is executed u	inder seal and signed under the pains and penalties of perjury
under the laws of the United	States of America.
Attorney Docket No. M0925.70526US01	Page 2 of 6

1/24//7	Inventor: Kripa K. Varanasi Address: 31 Fletcher Avenue Unit 5 Lexington, Massachusetts 02420 Citizenship: India
Witness:  1 24 17  Date	Signature  Name: HADEN OUTHCAN  Address: TT MASS AUG 35-214  CAMBRIDE, MA, 82139
Witness:  //24//7  Date	Signature  Name: Lawen Wolmsky  Address: MM Massachuse45 Avenue 35-214  Cambridge, MA 12139

Date		Maher Damak 52 Portsmouth St. Cambridge, Massachusetts 02141 France
Witness:		
Date	Signature Name: Address:	
Witness:		
Date	Signature Name: Address:	
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PATENT REEL: 055713 FRAME: 0134

Date	Inventor:	Seyed Reza Mahmoudi
	Address:	110 Kodiak Way
		Unit 2827
		Waltham, Massachusetts 02451
	Citizenship:	Iran (Islamic Republic of)
Witness:		
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Date	Signature	
	Name:	
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	Address	
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Date	Signature	
	Name:	
	Address:	

Page 5 of 6

Date	Inventor:	Nasim Hyder
	Address:	19 Central Street
		Apt. 16
		Somerville, Massachusetts 02143
	Citizenship:	Canada
Witness:		
Date	Signature	
	Name:	
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	Address:	
Witness:		
Date	Signature	:
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	Name:	
	Address:	
Attorney Docket No. M0925.70526US01	Page 6 of	3

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PATENT REEL: 055713 FRAME: 0136

### **ASSIGNMENT**

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

- Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts Non-profit Corporation having a place of business at 77 Massachusetts Avenue; Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on October 20, 2016 under No. 15/299,278, bearing Attorney Docket No. M0925.70526US01, and entitled SYSTEMS AND METHODS FOR SURFACE RETENTION OF FLUIDS and in the International Patent Application filed in the United States Patent and Trademark Office as Receiving Office on October 20, 2016 under No. PCT/US2016/057956 bearing Attorney Docket No. M0925.70526WO00 and entitled SYSTEMS AND METHODS FOR SURFACE **RETENTION OF FLUIDS** and in and to the application and all corresponding provisional, nonprovisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Attorney Docket No. M0925.70526US01

including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. M0925.70526US01

Page 2 of 6

Date	Inventor:	Kripa K. Varanasi
	Address:	31 Fletcher Avenue
		Unit 5
		Lexington, Massachusetts 02420
	Citizenship:	India
Witness:		
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	Name:	
	Address:	
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	Name:	
	Address:	

Page 3 of 6

7 /17/17		
Date	Inventor: Maher Damak	
	Address: 52 Portsmouth St.	
	Cambridge, Massachusetts 02141	
	Citizenship: France	
Witness:	Signature	
	· · · · · · · · · · · · · · · · · · ·	
	Name: Kalil Khalil	
	Address: 477 Beacon St. Apt. 3	
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Witness:	Jan	
2/17/17 Date	Signature	
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	Name: Howi-Louis Grand	
	Address: 356 RUS/m st	
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Date	Inventor:	Seyed Reza Mahmoudi
	Address:	110 Kodiak Way
		Unit 2827
		Waltham, Massachusetts 02451
	Citizenship:	Iran (Islamic Republic of)
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Page 5 of 6

Date	Inventor:	Nasim Hyder
	Address:	19 Central Street
		Apt. 16
		Somerville, Massachusetts 02143
	Citizenship:	Canada
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Date	Signature	9
	Name:	
	Address:	
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Page 6 of 6

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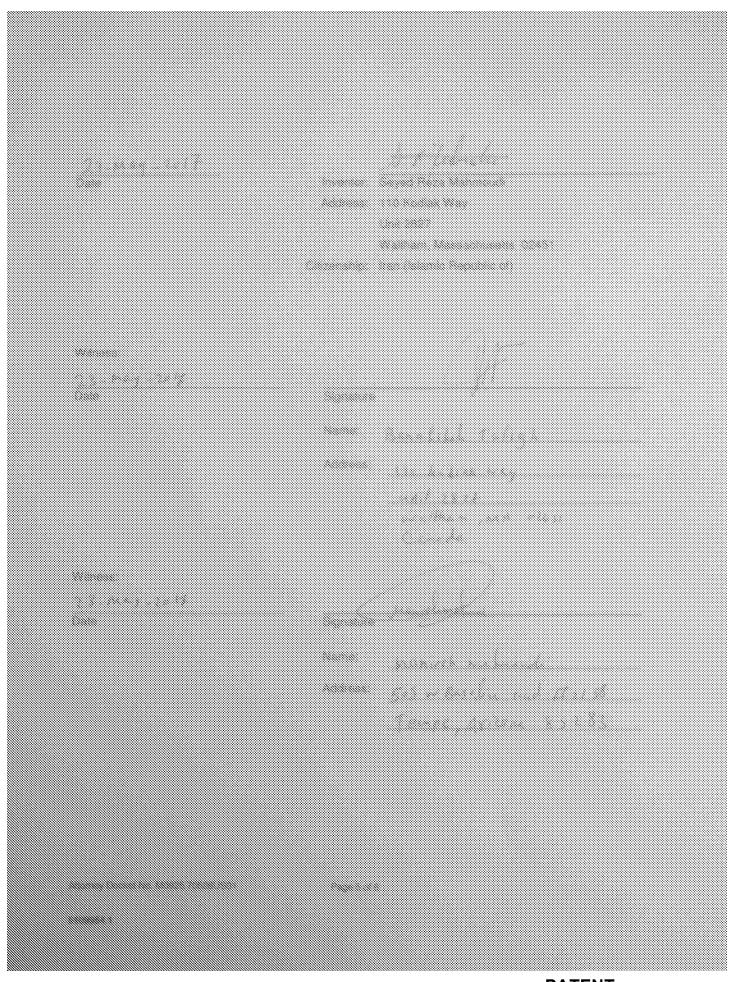
Page 2 of 6

Date	Inventor:	Kripa K. Varanasi
	Address:	31 Fletcher Avenue
		Unit 5
		Lexington, Massachusetts 02420
	Citizenship:	India
Mr.		
Witness:		
Date	Signature	
	Name:	
	Address:	
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Date	Signature	
	Name:	
	Address:	

Page 3 of 6

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	Address:	52 Portsmouth St.
		Cambridge, Massachusetts 02141
	Citizenship:	
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Page 4 of 6



PATENT REEL: 055713 FRAME: 0147

Date	Inventor:	Nasim Hyder
	Address:	19 Central Street
		Apt. 16
		Somerville, Massachusetts 02143
	Citizenship:	Canada
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Date	inventor:	Kripa K. Varanasi
	Address:	31 Fletcher Avenue
		Unit 5
		Lexington, Massachusetts 02420
	Citizenship:	India
Witness:		
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Page 3 of 8

Date	Inventor:	Maher Damak
	Address:	52 Portsmouth St.
		Cambridge, Massachusetts 02141
	Citizenship:	France
Witness:		
Date	Signature	3
	Name:	
	Address:	
Witness:		
Date	 Signature	<u> </u>
	Name:	
	Address:	

Page 4 of 8

Date	inventor:	Seyed Reza Mahmoudi
	Address:	110 Kodiak Way
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		Waltham, Massachusetts 02451
	Citizenship:	Iran (Islamic Republic of)
Witness:		
Date	Signature	*
	Name:	<u> </u>
	Address:	
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Date	Signature	*
	Name:	·
	Address:	
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Page 5 of 6

1/20/2817 Date	Inventor: Nasim Hyder  Address: 19 Central Street  Apt. 19 49 - New apt number  (put)  Somerville, Massachusetts 02143  Cilizenship: Canada
Witness: 1/20/17 Date	Signature  Name: Patrick Boldrighthi  Address: A350 Commonwealth Ave Apt 2-2  Auburndale MA 02466  USA
Witness: 120 hass	Signature  Name: Li Zhang  Address: 5 Simon Willard Road  Acton, MA 01720
######################################	Page & of &

PATENT REEL: 055713 FRAME: 0154

**RECORDED: 03/25/2021**