506322941 10/27/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6369691

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES C. KACZMAREK	03/05/2020
DANIEL GRIFFITH ANDERSON	02/06/2020
LUKE HYUNSIK RHYM	07/30/2020
KEVIN JOHN KAUFFMAN	02/04/2020
ASHA KUMARI PATEL	03/04/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	16663585
PCT Number:	US1958064

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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: 6176468000

Email: Assignments@wolfgreenfield.com

Correspondent Name: DAVID F. CAUBLE

Address Line 1: WOLF, GREENFIELD & SACKS, P.C.

Address Line 2: **600 ATLANTIC AVENUE**

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	M1237.70085US01/WO00
NAME OF SUBMITTER:	JUSTIN DUFFY
SIGNATURE:	/Justin Duffy/
DATE SIGNED:	10/27/2020

PATENT REEL: 054222 FRAME: 0328 506322941

Total Attachments: 35 source=M123770085US01 WO00-ASI-DFC#page1.tif source=M123770085US01 WO00-ASI-DFC#page2.tif source=M123770085US01 WO00-ASI-DFC#page3.tif source=M123770085US01_WO00-ASI-DFC#page4.tif source=M123770085US01 WO00-ASI-DFC#page5.tif source=M123770085US01 WO00-ASI-DFC#page6.tif source=M123770085US01 WO00-ASI-DFC#page7.tif source=M123770085US01 WO00-ASI-DFC#page8.tif source=M123770085US01 WO00-ASI-DFC#page9.tif source=M123770085US01 WO00-ASI-DFC#page10.tif source=M123770085US01 WO00-ASI-DFC#page11.tif source=M123770085US01_WO00-ASI-DFC#page12.tif source=M123770085US01 WO00-ASI-DFC#page13.tif source=M123770085US01_WO00-ASI-DFC#page14.tif source=M123770085US01_WO00-ASI-DFC#page15.tif source=M123770085US01_WO00-ASI-DFC#page16.tif source=M123770085US01_WO00-ASI-DFC#page17.tif source=M123770085US01 WO00-ASI-DFC#page18.tif source=M123770085US01 WO00-ASI-DFC#page19.tif source=M123770085US01 WO00-ASI-DFC#page20.tif source=M123770085US01 WO00-ASI-DFC#page21.tif source=M123770085US01 WO00-ASI-DFC#page22.tif source=M123770085US01 WO00-ASI-DFC#page23.tif source=M123770085US01 WO00-ASI-DFC#page24.tif source=M123770085US01 WO00-ASI-DFC#page25.tif source=M123770085US01 WO00-ASI-DFC#page26.tif source=M123770085US01_WO00-ASI-DFC#page27.tif source=M123770085US01 WO00-ASI-DFC#page28.tif source=M123770085US01_WO00-ASI-DFC#page29.tif source=M123770085US01 WO00-ASI-DFC#page30.tif source=M123770085US01 WO00-ASI-DFC#page31.tif source=M123770085US01_WO00-ASI-DFC#page32.tif source=M123770085US01_WO00-ASI-DFC#page33.tif source=M123770085US01 WO00-ASI-DFC#page34.tif source=M123770085US01 WO00-ASI-DFC#page35.tif

PATENT REEL: 054222 FRAME: 0329

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 patent application for United States Letters Patent filed in the United States Patent and Trademark Office on October 25, 2019 under No. 16/663,585, bearing Attorney Docket No. M1237,70085US01, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in the International Application filed on October 25, 2019 under International Application No. PCT/US2019/058064, bearing Attorney Docket No. M1237.70085WO00, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in and to the application and all corresponding provisional, non-provisional, 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 designs; 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 and designs, 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; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, 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 and designs, 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 designs 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 designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;

Attorney Docket No. M1237.70085US01/WO00

- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the 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 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. M1237.70085US01/WO00

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07/05/200		
Date	Inventor:	James C. Kaczmarek
	Address:	475 Beecon Street 23/4/w/ St.
		APETOT VALLEY MA MANY
		Apr. 101 Valed at MA 01880 Somerville, Massachusette 02143
	Citizenship:	US
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	Signature	
	millionism A	
	Name:	AKinda Emmanyel
	Address:	130 Campity Park Drive
		Combidge, MA 02140
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Date V/AV LV	Signatur	************
	Name:	Emily Kina
	c 80000 5000	Emily King

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Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
		Framingham, Massachusetts 01701
	Citizenship:	
Witness:		
Date	Signature	<u> </u>
	Name:	
	Address:	
Witness:		
Date	Signature	}
	Name:	
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Date	Inventor:	Luke Hyunsik Fihym
	Address:	378 Windsor Street
		April 1
		Cambridge, Massachusetts 02141
	Citizenship:	US:
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Date	Inventor:	Kevin John Kauffman
	Address:	5 Pearson Road
		Unit 2
		Somerville, Massachusetts 02144
	Citizenship:	US
Witness:		
Date	Signature	
	Name:	
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	Address:	
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Date	Inventor:	Asha Kumari Patel	
	Address:		
		ILFORD	
		IG3 9PB	
		UNITED KINGDOM	
	Citizenship:	United Kingdom	
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	Name:		
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Witness:			
Date	Signature		
	Name:		
	Address:		

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 patent application for United States Letters Patent filed in the United States Patent and Trademark Office on October 25, 2019 under No. 16/663,585, bearing Attorney Docket No. M1237.70085US01, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in the International Application filed on October 25, 2019 under International Application No. PCT/US2019/058064, bearing Attorney Docket No. M1237.70085WO00, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in and to the application and all corresponding provisional, non-provisional, 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 designs; 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 and designs, 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; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, 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 and designs, 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 designs 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 designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;

Attorney Docket No. M1237.70085US01/WO00

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- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the 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 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. M1237.70085US01/WO00

Date	Inventor:	James C. Kaczmarek
	Address:	175 Beacon Street
		Apt. 101
		Somerville, Massachusetts 02143
	Citizenship:	US
Witness:		
Date	Signature	
	Name:	
	Address:	
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Witness:		
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	Name:	
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Attorney Docket No. M1237.70085US01	/WO00	
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PATENT REEL: 054222 FRAME: 0339

62/06/2020 Date	Inventor: Daniel Griffith Anderson Address: 78 Carter Drive Framingham, Massachusetts 01701 Citizenship: US
Witness: allo acoo	Signature Name: TracyAnn Levnandez. Address: 500 Main St Combridge MA CO139
Witness: 2/Lef&O Date	Signature Name:

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Date	Inventor:	Luke Hyunsik Rhym	
	Address:	378 Windsor Street	
		Apt 1	
		Cambridge, Massachusetts 02141	
	Citizenship:	US	
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	Name:		
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Date	Inventor: Kevin John Kauffman					
	Address: 5 Pearson Road					
	Unit 2					
	Somerville, Massachusetts 02144					
	Citizenship: US					
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Date	Signature					
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Attorney Docket No. M1237.70085US01/WO00						

PATENT REEL: 054222 FRAME: 0342

Date	Inventor:	Asha Kumari Patel
	Address:	29 Goodmayes Lane
		ILFORD
		IG3 9PB
		UNITED KINGDOM
	Citizenship:	United Kingdom
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Attorney Docket No. M1237.70085US01/	WO00	

PATENT REEL: 054222 FRAME: 0343

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 patent application for United States Letters Patent filed in the United States Patent and Trademark Office on October 25, 2019 under No. 16/663,585, bearing Attorney Docket No. M1237.70085US01, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in the International Application filed on October 25, 2019 under International Application No. PCT/US2019/058064, bearing Attorney Docket No. M1237.70085WO00, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in and to the application and all corresponding provisional, non-provisional, 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 designs; 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 and designs, 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; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs:
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, 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 and designs, 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 designs 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 designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;

Attorney Docket No. M1237.70085US01/WO00

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

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Attorney Docket No. M1237.70065US01/WO00

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PATENT REEL: 054222 FRAME: 0347

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		Cambridge, Massachusetts 02141
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7/30/2020	» " «	Allen Vinz
Date	Signature	
	Name:	Allen Jiang
	Address:	
		Boston, MA 02199
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Witness: 7/36/2020		and the
Daile 7	Signature	
	Name:	Jacob Witte
	Address:	308 Third St. Apt 616
		Cambridge MA 02142

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Date	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Inventor:	Kevin Jol	nn Kauffmai	 3			
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Date	S	inventor:	Asha Kumari Patel
i k		Address	29 Goodmayes Lane
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		Citizenship:	United Kingdom
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Attorney Docket No. M1237.70085US01/WO00

Date	Inventor:	James C. Kaczmarek
	Address:	175 Beacon Street
		Apt. 101
		Somerville, Massachusetts 02143
	Citizenship:	
Witness:		
Date	Signature	
	Name:	
	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

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Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
		Framingham, Massachusetts 01701
	Citizenship:	
Witness:		
Date	Signature	*
	Name:	·
	Address:	,
Witness:		
Date	Signature	
	Name:	
	Address:	**************************************

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Date	Inventor:	Luke Hyunsik Rhym
	Address:	378 Windsor Street
		Apt 1
		Cambridge, Massachusetts 02141
	Citizenship:	US
Witness:		
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Attorney Docket No. M1237.70085U	JS01/WO00	

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Date	Inventor: Ke	evin John Kaufiman
	Address: 5 I	Pearson Road
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	Sc	omerville, Massachusetts 02144
	Citizenship: US	S
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	Name:	Ave Zakle
	Address:	3) Charlant st Belownt, MG 0:478
		Belownt mg 02478
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04 Feb 2020 Date		ullnv
	oignature	
	Name: S	SUSAN LOW
	Address:	86 BROOKLINE STREET

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PEPPERELL, MA 01463

Date	Inventor:	Asha Kumari Patel
	Address:	29 Goodmayes Lane
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	Citizenship:	United Kingdom
Witness:		
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Date	Signature	i e
	Name:	
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	Address:	
Witness:		
Date	Signature	
	Name:	
	Address:	

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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 patent application for United States Letters Patent filed in the United States Patent and Trademark Office on October 25, 2019 under No. 16/663,585, bearing Attorney Docket No. M1237.70085US01, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in the International Application filed on October 25, 2019 under International Application No. PCT/US2019/058064, bearing Attorney Docket No. M1237.70085WO00, and entitled POLYMER-LIPIDS AND COMPOSITIONS, and in and to the application and all corresponding provisional, non-provisional, 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 designs; 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 and designs, 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; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, 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 and designs, 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 designs 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 designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee:

Attorney Docket No. M1237.70085US01/WO00

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- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the 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 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. M1237.70085US01/WO00

Date	Inventor:	James C. Kaczmarek
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	Citizenship:	US
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Date	Signature	3
	Name:	
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Date	Inventor:	Daniel Griffith Anderson
	Address:	78 Carter Drive
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PATENT REEL: 054222 FRAME: 0361

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Date	Signature	
Date	Signature	•
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Date	Signature	•
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	Name:	
	Address:	
	Addiess.	
Attorney Docket No. M1237.70085US01/	WO00	

PATENT REEL: 054222 FRAME: 0362

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	Citizenship:	US
Witness:		
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	Name:	
	Address:	
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Date	Signature	
Date	Signature	
	Name:	
	Address:	
	Addices.	
Attorney Docket No. M1237.70085US01/V	000V	

PATENT REEL: 054222 FRAME: 0363

4 th 11AR 2020 Date	Inventor: Address: Citizenship:	29 Goodmayes Lane ILFORD IG3 9PB UNITED KINGDOM
Witness: H May 2020 Date	Signature Name: Address:	Warren Macdonald
Witness: A MAR 7.00 Date	Signature	MZ

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Name:

Address:

PATENT REEL: 054222 FRAME: 0364

ADAM CELIZ

29 GOODMAYES LANE KFOKD, 1G3 9PB, VK.