# 507628143 12/03/2022

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHASE R HAEGELE	08/20/2019
SHANE FITZGIBBONS	08/20/2019
ANDRE AZARI	08/20/2019
SAMPSON MOORE	08/20/2019
WEI LI	08/20/2019
JOE BENEDETTO	08/27/2019
RAYMOND LOUIS GRADWOHL	08/28/2019

### **RECEIVING PARTY DATA**

Name:	LOON LLC
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

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

Property Type	Number
Application Number:	17415415

# **CORRESPONDENCE DATA**

**Fax Number:** (864)286-3282

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:** 18643854151

Email: doug@kimandlahey.com

Correspondent Name: KIM AND LAHEY LAW FIRM, LLC Address Line 1: 3620 PELHAM RD. PBM #213

Address Line 4: GREENVILLE, SOUTH CAROLINA 29615

ATTORNEY DOCKET NUMBER:	006123-042US2
NAME OF SUBMITTER:	DOUGLAS KIM
SIGNATURE:	/DOUGLAS W. KIM/
DATE SIGNED:	12/03/2022

PATENT 507628143 REEL: 061964 FRAME: 0114

# Total Attachments: 7 source=Inventor-Assignments#page1.tif source=Inventor-Assignments#page2.tif source=Inventor-Assignments#page3.tif source=Inventor-Assignments#page4.tif source=Inventor-Assignments#page5.tif source=Inventor-Assignments#page6.tif source=Inventor-Assignments#page7.tif

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Chase R. Haegele		
San Francisco, CA		
hereafter referred to as assignor, have invented certain new and HEAT SEALING SYSTEM	useful improvements in	
	nt was filed on August 19, 2019	
X for which an application for a United States Letters Pater Application Number 16/544,371	R was filed on August 19, 2019	
for which an application for a United States Letters Patent and	was executed by ,	
for which an International Application was filed on	, as	
, designating the United S	States.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" who 1600 Amphitheatre Parkway, Mountain View, CA 94043	ose mailing address is	
is desirous of acquiring the entire right, title and interest in the sa	ıme;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 62/780,673 filed December 17, 2018, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/780,673 pursuant to any law or treaty in the countries of the world.		
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.		
8/20/2019 Chase	Haegele	
(Date)	BFA7440 (Signature)	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Shane Fitzgibbons		
San Francisco, CA		
hereafter referred to as assignor, have invented certain new and useful improvements in HEAT SEALING SYSTEM		
for which an application for a United States Letters Patent was filed on  Application Number 16/544,371		
for which an application for a United States Letters Patent was and	executed by ,	
for which an International Application was filed on	, as	
, designating the United States	5.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" whose make 1600 Amphitheatre Parkway, Mountain View, CA 94043	ailing address is	
is desirous of acquiring the entire right, title and interest in the same;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-inpart, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 62/780,673 filed December 17, 2018, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/780,673 pursuant to any law or treaty in the countries of the world.		
And I do hereby authorize my attorneys to insert on this deed the application when known.  Docusigned by:		
8/20/2019 Daniel Sha	m Fitzgibbons D (Signature)	
(Date) C18BCE2C1E7545	D (Signature)	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Andre Azari		
San Jose, CA		
hereafter referred to as assignor, have invented certain new and useful improvements in HEAT SEALING SYSTEM		
X   for which an application for a United States Letters Patent was filed on August 19, 2019  Application Number 16/544,371		
for which an application for a United States Letters Patent was and	executed by ,	
for which an International Application was filed on	, as	
, designating the United States	5.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" whose m 1600 Amphitheatre Parkway, Mountain View, CA 94043	ailing address is	
is desirous of acquiring the entire right, title and interest in the same;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-inpart, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 62/780,673 filed December 17, 2018, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/780,673 pursuant to any law or treaty in the countries of the world.		
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.		
8/20/2019 Andre Azas	vi	
(Date) (Date)	··· (Signature)	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Sampson Moore		
San Jose, CA		
hereafter referred to as assignor, have invented certain new and useful improvements in HEAT SEALING SYSTEM		
for which an application for a United States Letters Patent was filed on  Application Number 16/544,371		
for which an application for a United States Letters Patent was	executed by ,	
for which an International Application was filed on	, as	
, designating the United State	es.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" whose r	mailing address is	
1600 Amphitheatre Parkway, Mountain View, CA 94043		
is desirous of acquiring the entire right, title and interest in the same;		
is acknowledged, and other good and valuable consideration, I as a said assignee the entire right, title and interest for the United States said invention and the aforesaid utility patent application and all origi part, substitute or reissue applications and patents applied for or grar and all other countries, for said invention, including without limitation a claiming priority or benefit of the aforesaid utility application pursuant to claim such priority or benefit and the Commissioner of Patents requested to issue all patents on said improvements or resulting ther of the entire interest therein; and the undersigned for me and my I hereby agree and covenant without further remuneration, to excontinuation, reissue and other applications for Letters Patent on said to said assignee or its assigns, to communicate to said assignee or undersigned respecting said improvements, whenever requested, to proceedings in which any of said applications or patents may become rightful oaths, and to do generally everything necessary to aid assigne obtain patent protection for said improvements in all countries, the element of the application when known.	of America and all other countries in and to nal, divisional, continuation, continuation-in- nted therefor in the United States of America all applications and patents for said invention it to any law or treaty, and including the right and Trademarks is hereby authorized and refrom to said assignee herein, as assignee egal representatives, heirs and assigns do recute and deliver all original, divisional, dimprovements and all assignments thereof or its representatives all facts known to the contestify in any interferences or other legal envolved, to sign all lawful papers, make all ere, its successors, assigns and nominees to expenses incident to said applications to be filling date and application number of said	
8/20/2019 County		
Sampson (Date)		
(Date)	(Signature)	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	LOON 3.0F-2192 [8531]	
Whereas, I, Wei Li	of	
San Jose, CA		
hereafter referred to as assignor, have invented certain new and	useful improvements in	
HEAT SEALING SYSTEM	assiai improvemente in	
for which an application for a United States Letters Patent was filed on August 19, 2019  Application Number 16/544,371		
for which an application for a United States Letters Patent v	was executed by ,	
for which an International Application was filed on	, as	
, designating the United S	States.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" who	se mailing address is	
1600 Amphitheatre Parkway, Mountain View, CA 94043		
is desirous of acquiring the entire right, title and interest in the sa	me;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assigner hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
DocuSign	ed by:	
8/20/2019 Wei li		
(Date)	(Signature)	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Joe Benedetto		
Canton, GA		
hereafter referred to as assignor, have invented certain new and useful improvements in HEAT SEALING SYSTEM		
for which an application for a United States Letters Patent was filed on  Application Number 16/544,371		
for which an application for a United States Letters Patent was and	executed by ,	
for which an International Application was filed on	, as	
, designating the United States	S.	
Whereas, Loon LLC		
a limited liability company of herein referred to as "assignee" whose m 1600 Amphitheatre Parkway, Mountain View, CA 94043	ailing address is	
is desirous of acquiring the entire right, title and interest in the same;		
is acknowledged, and other good and valuable consideration, I as as said assignee the entire right, title and interest for the United States of said invention and the aforesaid utility patent application and all origin part, substitute or reissue applications and patents applied for or grant and all other countries, for said invention, including without limitation all claiming priority or benefit of the aforesaid utility application pursuant to claim such priority or benefit and the Commissioner of Patents a requested to issue all patents on said improvements or resulting there of the entire interest therein; and the undersigned for me and my le hereby agree and covenant without further remuneration, to executionation, reissue and other applications for Letters Patent on said to said assignee or its assigns, to communicate to said assignee or undersigned respecting said improvements, whenever requested, to proceedings in which any of said applications or patents may become rightful oaths, and to do generally everything necessary to aid assignee obtain patent protection for said improvements in all countries, the exportant patent protection for said improvements in all countries, the exportant patent protection for said improvements in all countries, the exportant patent protection for said improvements in all countries, the exportant patent protection for said improvements in all countries, the exportant patent protection for said improvements in this deed the application when known.	of America and all other countries in and to leal, divisional, continuation, continuation-in-led therefor in the United States of America I applications and patents for said invention to any law or treaty, and including the right and Trademarks is hereby authorized and efrom to said assignee herein, as assignee egal representatives, heirs and assigns do ecute and deliver all original, divisional, improvements and all assignments thereofor its representatives all facts known to the testify in any interferences or other legal involved, to sign all lawful papers, make all e, its successors, assigns and nominees to expenses incident to said applications to be	
8/27/2019 Mr. Prine d	•#4	
(Date)	S8 (Signature)	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	LOON 3.0F-2192 [8531]	
Whereas, I, Raymond Louis Gradwohl		
Saratoga, CA		
hereafter referred to as assignor, have invented certain new ar	nd useful improvements in	
HEAT SEALING SYSTEM		
X for which an application for a United States Letters Patent was filed on Application Number 16/544,371		
for which an application for a United States Letters Pater and	nt was executed by ,	
for which an International Application was filed on	. as	
, designating the United Whereas, Loon LLC	a States.	
Whereas, Loon LLC a limited liability company of herein referred to as "assignee" w	those mailing address is	
1600 Amphitheatre Parkway, Mountain View, CA 94043	mose maining address is	
is desirous of acquiring the entire right, title and interest in the	same;	
is acknowledged, and other good and valuable consideration, said assignee the entire right, title and interest for the United Said invention and the aforesaid utility patent application and a part, substitute or reissue applications and patents applied for and all other countries, for said invention, including without limit claiming priority or benefit of the aforesaid utility application put to claim such priority or benefit and the Commissioner of Parequested to issue all patents on said improvements or resulting of the entire interest therein; and the undersigned for me and hereby agree and covenant without further remuneration, continuation, reissue and other applications for Letters Patent to said assignee or its assigns, to communicate to said assigned undersigned respecting said improvements, whenever reques proceedings in which any of said applications or patents may be rightful oaths, and to do generally everything necessary to aid a obtain patent protection for said improvements in all countries borne and paid by said assignee.  I, as assignor, hereby assign to said assignee all of my rig Application No. 62/780,673 filed December 17, 2018, and in the	States of America and all other countries in and to Il original, divisional, continuation, continuation-in- or granted therefor in the United States of America ation all applications and patents for said invention in its unit to any law or treaty, and including the right atents and Trademarks is hereby authorized and ing therefrom to said assignee herein, as assignee difference and deliver all original, divisional, on said improvements and all assignments thereof in gnee or its representatives all facts known to the sted, to testify in any interferences or other legal ecome involved, to sign all lawful papers, make all assignee, its successors, assigns and nominees to the expenses incident to said applications to be sent, title and interest in United States Provisional ne invention disclosed thereto in all countries of the	
world including the right to claim priority or benefit of said Application No. 62/780,673 pursuant to any law or treaty in the countries of the world.  And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said		
application when known.	signed by:	
8/28/2019	lon'E Jos Operun	
Nan (Leg	FF62E254A3 (Signature) ne: Melanie Joy Dickson pal representative on behalf of deceased inventor mond Louis Gradwohl)	