

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7675039

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LOON LLC
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17415415
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)286-3282
<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>	
<b>Phone:</b>	18643854151
<b>Email:</b>	doug@kimandlahey.com
<b>Correspondent Name:</b>	KIM AND LAHEY LAW FIRM, LLC
<b>Address Line 1:</b>	3620 PELHAM RD. PBM #213
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29615
<b>ATTORNEY DOCKET NUMBER:</b>	006123-042US2
<b>NAME OF SUBMITTER:</b>	DOUGLAS KIM
<b>SIGNATURE:</b>	/DOUGLAS W. KIM/
<b>DATE SIGNED:</b>	12/03/2022

**Total Attachments: 7**

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<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Chase R. Haegele of 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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

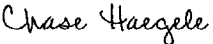
Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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  
 \_\_\_\_\_  
 (Date)

DocuSigned by:  
  
 \_\_\_\_\_  
 D0EBD308BFA7440... (Signature)

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Shane Fitzgibbons of 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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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  
 \_\_\_\_\_  
 (Date)

DocuSigned by:  
Daniel Shane Fitzgibbons  
 \_\_\_\_\_  
 C18BCE2C1E7545D... (Signature)

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Andre Azari of 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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

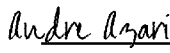
Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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  
 \_\_\_\_\_  
 (Date)

DocuSigned by:  
  
 EF51BF3B7757419...  
 \_\_\_\_\_  
 (Signature)

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Sampson Moore of 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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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.

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

\_\_\_\_\_  
(Date)

DocuSigned by:

Sampson Moore

EE03ED9925F8442... (Signature)

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Wei Li of 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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;


NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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.

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

\_\_\_\_\_  
(Date)

DocuSigned by:



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\_\_\_\_\_  
(Signature)

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
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Whereas, I, Joe Benedetto of  
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 August 19, 2019  
 Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_,  
 and

☐ for which an International Application was filed on \_\_\_\_\_, as  
 \_\_\_\_\_, designating the United States.

Whereas, Loon LLC  
 a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), 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.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said  
 application when known.

8/27/2019

(Date)

DocuSigned by:

Joe Benedetto

D69CC2D3E731408... (Signature)



<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) LOON 3.0F-2192 [8531]
--	---

Whereas, I, Raymond Louis Gradwohl of Saratoga, 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 August 19, 2019  
Application Number 16/544,371

☐ for which an application for a United States Letters Patent was executed by \_\_\_\_\_ ,  
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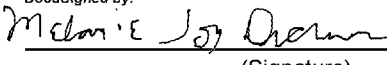
Whereas, Loon LLC  
a limited liability company of herein referred to as "assignee" whose mailing address is  
1600 Amphitheatre Parkway, Mountain View, CA 94043  
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NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof 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.

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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

8/28/2019  
(Date)

DocuSigned by:  
  
83252FF62E254A3... (Signature)  
Name: Melanie Joy Dickson  
(Legal representative on behalf of deceased inventor  
Raymond Louis Gradwohl)