

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI332185

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ryan Wayne Schumacher	04/30/2024
Mark D. Leaseure	05/01/2024
Casey Briscoe	05/02/2024
Matthew Srnec	05/02/2024
Philip Lewis Lavrich	05/01/2024
Panayu Robert Srichai	06/17/2024
Wallace Stephen Hubbard	05/22/2024
Grant A. Baumgardner	05/07/2024
RECEIVING PARTY DATA	
Company Name:	Thermo King LLC
Street Address:	314 W. 90th Street
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55420
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17420032
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:	6124553800
Email:	ykase@hsmll.com
Correspondent Name:	HSML P.C.
Address Line 1:	45 South Seventh Street
Address Line 2:	Suite 2700
Address Line 4:	Minneapolis, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	20420.0953USWO
NAME OF SUBMITTER:	Yelena Kase
SIGNATURE:	Yelena Kase

PATENT

DATE SIGNED:	07/05/2024
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Total Attachments: 16
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ASSIGNMENT

WHEREAS, we, **Ryan Wayne Schumacher**, having an address of 4107 Pebblebrook Drive, Bloomington MN 55437, **Mark D. Leasure**, having an address of 3 Coulee Ridge Road, Afton, MN 55001, **Casey Briscoe**, having an address of Knuds Allé 75, 2800 Kongens Lyngby, Denmark, **Matthew Srnec**, having an address of 4613 Lynwood Terrace, Minnetonka MN 55345, **Philip Lewis Lavrich**, having an address of 105 Sunrise Circle, Mooresville, NC 28117, **Panayu Robert Srichai**, having an address of 6008 Columbus Avenue South, Minneapolis MN 55417, **Wallace Stephen Hubbard**, having an address of 8850 Reflections Road, Chanhassen, MN 55317, and **Grant A. Baumgardner**, having an address of 3505 Colfax Ave S, Minneapolis, MN 55408, made certain new and useful inventions and improvements for which we filed a US Non-provisional application, on June 30, 2021, that has application no. 17/420032 and which is entitled METHODS AND SYSTEMS FOR NOTIFYING AND MITIGATING A SUBOPTIMAL EVENT OCCURRING IN A TRANSPORT CLIMATE CONTROL SYSTEM.

AND WHEREAS, **THERMO KING LLC**, a corporation organized and existing under and by virtue of the laws of Delaware, and having an office and place of business at 314 W. 90th Street, Minneapolis, MN 55420 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to any applications which have been or shall be filed, including all nonprovisionals, applications filed under the Patent Cooperation Treaty, divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the

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1. Ryan Wayne Schumacher

30 Apr 24
Date

2. Mark D. Leasure

Date

3. Casey Briscoe

Date

4. Matthew Srnec

Date

5. Philip Lewis Lavrich

Date

6. Panayu Robert Srichai

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Date

5/11/2024

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_____ 1. Ryan Wayne Schumacher	_____ Date
_____ 2. Mark D. Leasure	_____ Date
_____ /Casey Briscoe/ 3. Casey Briscoe	_____ May 2, 2024 Date
_____ 4. Matthew Srnec	_____ Date
_____ 5. Philip Lewis Lavrich	_____ Date
_____ 6. Panayu Robert Srichai	_____ Date
_____ 7. Wallace Stephen Hubbard	_____ Date
_____ 8. Grant A. Baumgardner	_____ Date

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5/2/2024

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Sent 5/11/24

HSML - 20420.0953USWO

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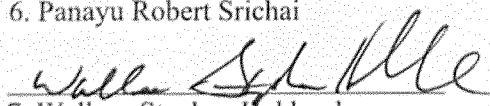
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WHEREAS, we, **Ryan Wayne Schumacher**, having an address of 4107 Pebblebrook Drive, Bloomington MN 55437, **Mark D. Leasure**, having an address of 3 Coulee Ridge Road, Afton, MN 55001, **Casey Briscoe**, having an address of Knuds Allé 75, 2800 Kongens Lyngby, Denmark, **Matthew Srnec**, having an address of 4613 Lynwood Terrace, Minnetonka MN 55345, **Philip Lewis Lavrich**, having an address of 105 Sunrise Circle, Mooresville, NC 28117, **Panayu Robert Srichai**, having an address of 6008 Columbus Avenue South, Minneapolis MN 55417, **Wallace Stephen Hubbard**, having an address of 8850 Reflections Road, Chanhassen, MN 55317, and **Grant A. Baumgardner**, having an address of 3505 Colfax Ave S, Minneapolis, MN 55408, made certain new and useful inventions and improvements for which we filed a US Non-provisional application, on June 30, 2021, that has application no. 17/420032 and which is entitled METHODS AND SYSTEMS FOR NOTIFYING AND MITIGATING A SUBOPTIMAL EVENT OCCURRING IN A TRANSPORT CLIMATE CONTROL SYSTEM.

AND WHEREAS, **THERMO KING LLC**, a corporation organized and existing under and by virtue of the laws of Delaware, and having an office and place of business at 314 W. 90th Street, Minneapolis, MN 55420 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to any applications which have been or shall be filed, including all nonprovisionals, applications filed under the Patent Cooperation Treaty, divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the

Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

1. Ryan Wayne Schumacher

Date

2. Mark D. Leasure

Date

3. Casey Briscoe

Date

4. Matthew Srnec

Date

5. Philip Lewis Lavrich

Date

6. Panayu Robert Srichai

Date

7. Wallace Stephen Hubbard

Date

_____/Grant A. Baumgardner/_____

8. Grant A. Baumgardner

_____/05/07/2024_____

Date