505419072 04/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5465863

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| ANDRE BOULET | 04/17/2012 |
| SOHEIL KHIAVI | 04/17/2012 |

RECEIVING PARTY DATA

| Name: | INVENTYS THERMAL TECHNOLOGIES INC. | |
|-----------------|------------------------------------|--|
| Street Address: | 143 - 8528 GLENLYON PARKWAY | |
| City: | BURNABY | |
| State/Country: | CANADA | |
| Postal Code: | V5J 0B6 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15395932 |

CORRESPONDENCE DATA

Fax Number: (604)677-7728

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: 604-677-7727

Email: patents@palmerip.com
Correspondent Name: SEONG-CHEOL SON

Address Line 1: 704 - 1478 WEST HASTINGS STREET VANCOUVER, CANADA V6G 3J6

| ATTORNEY DOCKET NUMBER: | 0394-00-P02-US-CIP | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | SEONG-CHEOL SON | |
| SIGNATURE: | /seongcheolson/ | |
| DATE SIGNED: | 04/09/2019 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 3

source=394P13_Assignment_to_Inventys_Thermal_Technologies_Inc_as_filed_130226#page1.tif source=394P13_Assignment_to_Inventys_Thermal_Technologies_Inc_as_filed_130226#page2.tif source=394P13_Assignment_to_Inventys_Thermal_Technologies_Inc_as_filed_130226#page3.tif

PATENT 505419072 REEL: 048835 FRAME: 0758

Assignment - World - application

ASSIGNMENT (World)

WHEREAS,

ANDRE BOULET and SOHEIL KHIAVI

hereinafter referred to as the "Assignor", whose full post office addresses are, (i) Andre Boulet, Suite 349, 485 West 8th Avenue, Vancouver, BC V5Y 3Z5; and (ii) Scheil Khiavi, 7954 17th Ave., Burnaby, BC, V3N 1M3, has made inventions as set out on Schedule "A" attached hereto, hereinafter referred to as the "Inventions", as fully set forth and described in applications for Letters Patent identified on Schedule "A", hereinafter referred to as the "Applications";

AND WHEREAS,

INVENTYS THERMAL TECHNOLOGIES INC.

hereinafter referred to as the "Assignee", whose full post office address is

#108-3738 North Fraser Way, Burnaby, B.C., V5J 5G7

desires to acquire the Assignor's entire right, title and interest in and to the Inventions and the Applications;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, its entire right, title and interest for Canada, the United States and all other countries throughout the World in and to the Inventions, together with its entire right, title and interest in and to the Applications and any and all Letters Patent that may issue for the Inventions, including any and all divisions, reissues, continuations and extensions of the Applications, to the full end of the term for which each said Letters Patent may be granted, and including any right to claim priority based on the Applications, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignor had this Assignment not been made;

AND the Assignor, on behalf of itself and its executors and administrators, does hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for the Inventions and vest the same in the Assignee, its successors, assigns, or legal representatives.

AND the Assignor, on behalf of itself and its executors and administrators, does hereby authorize the Assignee, its successors, assigns, or legal representatives, including its Patent Agents, Blake, Cassels & Graydon LLP, to amend this assignment to insert or correct the filing date, serial

Blake, CPATENTON LLP (7/04)

REEL: 048835 FRAME: 0759

number or other identifying information of the Applications as may be needed to record this assignment.

| Assignor 1 | Notarized | |
|-----------------|--|--|
| Name | Name of Notary Public (please print) | ROBERT KIESMAN |
| ANDRE BOULET | Robert Kiesman | BARRISTER AND SOLICITOR STIKEMAN ELLIOTT LLF |
| Signature | Membership or Bar No. | THITE 1700 PARK PLACE 666 BURRARD STREET VANCOUVER, BRITISH COLUMBIA, CANADA |
| A 15 4 5 4 | 8.0. | Y&C 2Xx (884) 631 (300 |
| Dăte | Signature of Notary Public | |
| Apr. 1 (7, 2012 | The state of the s | |
| | My Appointment Expires | Seal or Stamp of Notary Public |
| | N/A | St. 11.11 |

| Assignor 2 | Notarized | |
|---------------|--|--|
| Name | Name of Notary Public (please print) | ROBERT KIESMAN |
| SOHEIL KHIAVI | Robert Kiesman | BARRISTER AND SOLICITOR TIKEMAN ELLIOTT LLP |
| Signature / / | | UTTE 1700 PARK PLACE 666 BURRARD STREET VANCOUVER, BRITISH COLUMBIA, CANADA |
| | B.C. | VSC 188 (604) 631-1380 |
| Date | Signature of Notary Public | |
| April 17 2017 | A Commission of the Commission | |
| N / | My Appointment Expires | Seal or Stamp of Notary Public |
| | N/A | |

| Assign | 166 |
|--------|------------------------------------|
| | INVENTYS THERMAL TECHNOLOGIES INC. |
| | Per: |
| | Authorized Signing Officer |

REEL: 048835 FRAME: 0760

SCHEDULE "A"

| TITLE | APPLICATION NO. | FILING DATE |
|--|-------------------|----------------|
| PARALLEL PASSAGE FLUID CONTACTOR STRUCTURE | US 13/203,714 | 2/26/2010 |
| PARALLEL PASSAGE FLUID CONTACTOR STRUCTURE | CA 2753610 | 2/26/2010 |
| PARALLEL PASSAGE FLUID CONTACTOR STRUCTURE | EP 10745767.3 | 2/26/2010 |
| PARALLEL PASSAGE FLUID CONTACTOR STRUCTURE | PCT/CA2010/000251 | 2/26/2010 |
| PARALLEL PASSAGE FLUID CONTACTOR STRUCTURE | US 61/208,807 | 2/27/2009 |
| METHOD OF ADSORPTIVE GAS SEPARATION USING THERMALLY CONDUCTIVE CONTACTOR STRUCTURE | PCT/CA2011/050521 | 8/26/2011 |
| METHOD OF ADSORPTIVE GAS SEPARATION USING THERMALLY CONDUCTIVE CONTACTOR STRUCTURE | US 61/377,875 | 8/27/2010 |
| SYSTEM AND METHOD FOR INTEGRATED ADSORPTIVE GAS SEPARATION OF COMBUSTION GASES | US 61/504,197 | 7/2/2011 |

Blake, CPATENT on LLP (7/04)

REEL: 048835 FRAME: 0761