504949679 06/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4996426

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| RODERICK BURGESS | 11/16/2017 |
| ROBERT WARREN | 11/16/2017 |

RECEIVING PARTY DATA

| Name: | TTI (MACAO COMMERCIAL OFFSHORE) LIMITED |
|-------------------|---|
| Street Address: | UNITS A-C, 26/F, CENTRO COMERCIAL DA PRAIA GRANDE |
| Internal Address: | NO. 429 |
| City: | AVENIDA DA PRAIA GRANDE |
| State/Country: | MACAU |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 29646366 |

CORRESPONDENCE DATA

Fax Number: (414)277-0656

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.

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Email: mkeipdocket@michaelbest.com Correspondent Name: MICHAEL BEST & FRIEDRICH LLP Address Line 1: 100 EAST WISCONSIN AVENUE

Address Line 2: **SUITE 3300**

Address Line 4: MILWAUKEE, WISCONSIN 53202-4108

| ATTORNEY DOCKET NUMBER: | 206190-9272-US02 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | JODI ANDERSON |
| SIGNATURE: | /jodi anderson/ |
| DATE SIGNED: | 06/07/2018 |

Total Attachments: 3

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PATENT REEL: 046016 FRAME: 0932 504949679

ASSIGNMENT - WORLDWIDE

We (hereinafter referred to singly and collectively as "ASSIGNOR");

Roderick Burgess 615 Cherry St. Charlotte, NC 28204

Robert Warren 7200 Ridge Lane Rd. Charlotte, OH 28262

pursuant to ASSIGNOR'S obligation to Royal Appliance Manufacturing Company (hereinafter referred to as "Royal") to sell, assign, and convey to Royal or Royal's nominee any and all of ASSIGNOR'S right, title, and interest in and to the present invention, confirm such obligation and hereby sell, assign, and convey to TTI (Macao Commercial Offshore) Limited (hereinafter referred to as "ASSIGNEE"), a Macau corporation having its principal place of business at:

Units A-C, 26/F Centro Comercial da Praia Grande No. 429 Avenída da Praia Grande, Macau

its successors and assigns, and for other valuable and sufficient consideration, the receipt of which is hereby acknowledged, ASSIGNOR'S entire right, title, and interest in and throughout the world in and to this invention relating to TTI File No. FOR0571D-4 entitled:

FILTER FOR A VACUUM CLEANER

| as set forth in Application No. CN 201730537120.X | filed on |
|--|----------------------|
| November 3, 2017 (ASSIGNOR hereby authorizes r | |
| ASSIGNEE to fill in application number(s) and filing date(s) of applica | tion when known |
| after this assignment is executed), as well as in and to (a) all in | aprovements and |
| modifications of the above-identified invention or inventions, (b) the | above-identified |
| application and all other applications for Letters Patent now or here | after filed in any |
| country for the above-identified invention or inventions and all in | aprovements and |
| modifications thereof, (c) all Letters Patent that may issue from said a | oplications, (d) all |
| divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provis | ional, reissue and |
| extensions of said applications and Letters Patent, and (e) the right to | claim for any of |
| said applications the full benefits and priority rights under the Pa | tent Cooperation |
| Treaty, the Paris Convention, and any other international agreement | |
| and interest to be held and enjoyed by ASSIGNEE, its successors and a | ussigns, to the full |
| end of the term or terms for which any and all such Letters Patent n | say be granted as |
| fully and entirely as would have been held and enjoyed by ASS | |
| Assignment not been made. | |
| | |

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ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions and all improvements and modifications thereof in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the Patent Cooperation Treaty, the Paris Convention, or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Patent Office of each country where applications for Letters Patents are filed to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES to, at ASSIGNEE's expense, (a) communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR about the invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in any country; (c) execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the applicable intellectual property laws.

11/16/2017

Date
11/16/2017

Data

Roderick Burgess

Robert Warren

[Signatures Continued on Following Page]

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ASSIGNEE'S ACKNOWLEDGEMENT:

TTI (Macao Commercial Offshore) Limited

BY:

PRINT NAME: Chan Chi Hong

TITLE:

Director

DATE:

24 November 2017

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PATENT REEL: 046016 FRAME: 0935

RECORDED: 06/07/2018