

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4925892

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT LAUER	08/03/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED
<b>Street Address:</b>	UNITS A-C, 26/F, CENTRO COMERCIAL DA PRAIA GRANDE
<b>Internal Address:</b>	NO. 429
<b>City:</b>	AVENIDA PA PRAIA GRANDE
<b>State/Country:</b>	MACAU
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15958587
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)277-0656
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<b>ATTORNEY DOCKET NUMBER:</b>	025818-8729-US03
<b>NAME OF SUBMITTER:</b>	JODI ANDERSON
<b>SIGNATURE:</b>	/jodi anderson/
<b>DATE SIGNED:</b>	04/20/2018
<b>Total Attachments: 3</b>	
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**ASSIGNMENT - WORLDWIDE**

I (hereinafter referred to singly and collectively as "ASSIGNOR"):

**Robert Lauer**  
**6334 Fair Valley Drive**  
**Charlotte, NC 28226**

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 Avenida 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. 15US-H-586 entitled:

**VACUUM CLEANER AND CARRIER ASSEMBLY**

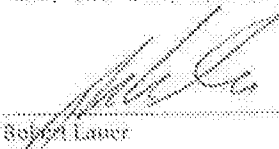
as set forth in Utility Application No. 15/229510 and PCT Application No. PCT/US16/45747, filed on August 5, 2016 in the United States, and the United States Receiving Office respectively, as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent now or hereafter filed in any country for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent that may issue from said applications, (d) all divisional, continuation, continuation-in-part, 35 U.S.C. §111(b) provisional, 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 Patent Cooperation Treaty, the Paris Convention, and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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, rehearing, 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.

8-3-17  
Date

  
Robert Lauer

[Signatures Continued on Following Page]

Page 2 of 2

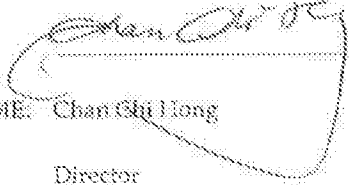
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105813-8729-US02-IN000

ASSIGNEE'S ACKNOWLEDGEMENT:

TTI (Macao Commercial Offshore) Limited

BY:



PRINT NAME: Chan Shi Hong

TITLE: Director

DATE: 27 October 2017

Page 3 of 4

v. signature