505349374 02/27/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RODERICK BURGESS	12/05/2018
KEVIN TERRY	12/05/2018
ROBERT WARREN	12/05/2018

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:	29681676

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	025818-1503-US01
NAME OF SUBMITTER:	JODI ANDERSON
SIGNATURE:	/jodi anderson/
DATE SIGNED:	02/27/2019

Total Attachments: 4

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PATENT REEL: 048456 FRAME: 0231

ASSIGNMENT - WORLDWIDE

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

Roderick Burgess 615 Cherry Street Charlotte, NC, 28204

Kevin Terry 3508 Farrhill Road Charlotte, NC, 28214

Robert Warren 7200 Ridge Lane Road Charlotte, NC, 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 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. PCO0759D-1 entitled:

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rebruary 27, 2019 (ASSIGNOR hereby authorizes representative of ASSIGNEE to fill in application number(s) and filing date(s) of application when known after this assignment is executed), 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. §TH(b) provisional, reissue and extensions of said applications and Letters Patent, (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, and (f) the right to take all such proceedings as may be necessary for the recovery of damages or other forms of relief in

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respect of all infringements of the above-identified invention and/or design and improvements and modifications thereof, whether taking place before or after the date of this Assignment; 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 assignce 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, recxamination, 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.

12.5.2018

Date

Rodenci furgess

[Signatures Confidued on Folkiwing Page]

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V:06/2018

Date

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:

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