504770395 02/08/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4817123

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	DATA				
			Name	Exe	cution Date
SATMAP INTERNATIO	DNAL HOL	DING	S, LTD.	03/31	1/2016
RECEIVING PARTY D	ΑΤΑ				
Name:	AFINIT	I INTE	ERNATIONAL HOLDINGS, LTD.		
Street Address:	50 CED	50 CEDAR AVENUE			
Internal Address:	CRAW	-ORD	HOUSE		
City:	HAMIL	ΓΟΝ			
State/Country:	BERML	JDA			
Postal Code:	HM11				
PROPERTY NUMBER				7	
Property Type			Number	-	
Application Number: 1515			-		
Application Number: 1521			-		
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CORRESPONDENCE Fax Number:		(ວດວ)	662 6262		
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	f providea	l; if th	nat is unsuccessful, it will be se		
			636000		
		el.garcia@wilmerhale.com IERHALE, LLP			
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ATTORNEY DOCKET			2211471.282/287/288		
ATTORNET DOCKET NOMBER.		RAQUEL GARCIA			
IGNATURE:		/RAQUEL GARCIA/			
DATE SIGNED:		02/08/2018			
Total Attachments: 17					
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BERMUDA

CERTIFICATE OF INCORPORATION ON CHANGE OF NAME

I HEREBY CERTIFY that in accordance with section 10 of the Companies Act 1981 Satmap International Holdings, Ltd by resolution and with the approval of the Registrar of Companies has changed its name and was registered as Afiniti International Holdings, Ltd. on the 31st day of March 2016.



Given under my hand and the Seal of the Registrar of Companies this 8th day of April 2016

Maria/Bosofram

for Registrar of Companies

RECORDED: 05/11/2016

PATENT REEL: 038654-ERAME: 0968 REEL: 044874 FRAME: 0849

DATED OCTOBER 23, 2013

THE RESOURCE GROUP INTERNATIONAL LIMITED

and

SATMAP INTERNATIONAL HOLDINGS LIMITED

DEED OF ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

PATENT REEL: 031582 FRAME: 0641 REEL: 044874 FRAME: 0850 **CONTENTS**

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SCHEDULE

SCHEDULE 2LICENCES, CHARGES AND OTHER THIRD-PARTY RIGHTSERROR! BOOKMARK NOT D

> PATENT REEL: 031582 ERAME: 0642 REEL: 044874 FRAME: 0851

THIS DEED is dated October 23, 2013

PARTIES

- (1) **THE RESOURCE GROUP INTERNATIONAL LIMITED,** an exempted company incorporated and registered in Bermuda with company number 32937 whose registered office is at Crawford House, 50 Cedar Avenue, Hamilton, HM11, Bermuda (the "Assignor"); and
- (2) **SATMAP INTERNATIONAL HOLDINGS LIMITED**, an exempted company incorporated and registered in Bermuda with company number 45859 whose registered office is at Crawford House, 50 Cedar Avenue, Hamilton, HM11, Bermuda (the "Assignee").

BACKGROUND

- (A) The Assignor is the holding company of the Assignee.
- (B) The Assignor has agreed to assign to the Assignee the Assigned Rights (as defined below) on the terms set out in this deed.

AGREED TERMS

1. INTERPRETATION

1.1 The definitions and rules of interpretation in this clause apply in this deed.

"Assigned Rights"

the Patents and all the Intellectual Property Rights contained in the Software Code.

"Business Day"

"Intellectual Property Rights"

a day other than a Saturday, Sunday or public holiday in Bermuda.

patents, utility models, rights to inventions, copyright and neighbouring and related rights, trademarks and service marks, business names and domain names, rights in get-up and trade dress, goodwill and the right to sue for passing off or unfair competition, rights in designs, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how and trade secrets), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of

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protection which subsist or will subsist now or in the future in any part of the world.

"Patents"

the patents and the applications, short particulars of which are set out in Schedule 1.

"Software Code"

the software code, short particulars of which are set out in Schedule 2.

- 1.2 A reference to a **company** shall include any company, corporation or other body corporate, wherever and however incorporated or established.
- 1.3 References to clauses and Schedules are to the clauses and Schedules of this deed.
- 1.4 Unless the context otherwise requires, words in the singular shall include the plural and in the plural shall include the singular.
- 1.5 Unless the context otherwise requires, a reference to one gender shall include a reference to the other genders.
- 1.6 A reference to a statute or statutory provision is a reference to it as amended, extended or re-enacted from time to time.
- 1.7 A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality) and that person's personal representatives, successors and permitted assigns.

2. ASSIGNMENT

In consideration of the sum of \$1.00 (receipt of which the Assignor expressly acknowledges), the Assignor hereby assigns to the Assignee absolutely all its right, title and interest in and to the Assigned Rights, including, but not limited to:

- (a) the absolute entitlement to any registrations granted pursuant to any of the applications comprised in the Patents; and
- (b) the right to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Assigned Rights whether occurring before, on, or after the date of this deed.

3. WARRANTIES

The Assignor warrants that:

(a) it is the sole legal and beneficial owner of, and owns all the rights and interests in, the Assigned Rights;

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- (b) for each of the applications and registrations listed in Schedule 1, it is properly registered as the applicant or registered proprietor, and as far as it is aware, all application, registration and renewal fees required to keep such applications and registrations in good standing have been paid; and
- (c) as far as it is aware, all the Assigned Rights are valid and subsisting and there are and have been no claims, challenges, disputes or proceedings, pending or threatened, in relation to the ownership, validity or use of any of the Assigned Rights.

4. FURTHER ASSURANCE

Each party shall, and shall use all reasonable endeavours to procure that any necessary third party shall, promptly execute and deliver such documents and perform such acts as may reasonably be required for the purpose of giving full effect to this deed.

5. WAIVER

No failure or delay by a party to exercise any right or remedy provided under this deed or by law shall constitute a waiver of that or any other right or remedy, nor shall it prevent or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall prevent or restrict the further exercise of that or any other right or remedy.

6. ENTIRE AGREEMENT

- 6.1 This deed constitutes the entire agreement between the parties and supersedes and extinguishes all previous agreements, promises, assurances, warranties, representations and understandings between them, whether written or oral, relating to its subject matter.
- 6.2 Each party acknowledges that in entering into this deed it does not rely on, and shall have no remedies in respect of, any statement, representation, assurance or warranty (whether made innocently or negligently) that is not set out in this deed.
- 6.3 Nothing in this clause shall limit or exclude any liability for fraud.

7. VARIATION

No variation of this deed shall be effective unless it is in writing and signed by the parties (or their authorised representatives).

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8. SEVERANCE

If any provision or part-provision of this deed is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this deed.

9. COUNTERPARTS

- 9.1 This deed may be executed in any number of counterparts, each of which when executed shall constitute a duplicate original, but all the counterparts shall together constitute the one agreement.
- 9.2 No counterpart shall be effective until each party has executed at least one counterpart.

10. GOVERNING LAW AND JURISDICTION

- 10.1 This deed and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of Bermuda.
- 10.2 Each party irrevocably agrees that the courts of Bermuda shall have nonexclusive jurisdiction to settle any dispute or claim arising out of or in connection with this deed or its subject matter or formation (including non-contractual disputes or claims).

This deed has been executed as a deed and is delivered and takes effect at the beginning of it.

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Schedule 1 Patents (including applications)

Country	Title	Status	App. No.	Patent No.
United States of America	USE OF ABSTRACTED DATA IN PATTERN MATCHING SYSTEM	Pending	14/,032,657	
United States of America	MATHCING USING AGENT/CALLER SENSITIVITY TO PERFORMANCE	Pending	14/035,522	
United States of America	MATCHING USING AGENT/CALLER SENSITIVITY TO PERFORMANCE	Pending	14/035,506	
United States of America	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Pending	12/021251	
United States of America	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Granted	12/180382	8359219
United States of America	SHADOW QUEUE FOR CALLERS IN A PERFORMANCE/PATTERN MATCHING BASED CALL ROUTING SYSTEM	Pending	12/202101	
United States of America	CALL ROUTING METHODS AND SYSTEMS BASED ON MULTIPLE VARIABLE STANDARDIZED SCORING	Pending	12/202091	
United States of America	AGENT SATISFACTION DATA FOR CALL ROUTING BASED ON PATTERN MATCHING ALOGRITHM	Pending	12/202097	
United States of America	TIME TO ANSWER SELECTOR AND ADVISOR FOR CALL ROUTING CENTER	Pending	12/266415	
United States of America	POOLING CALLERS FOR MATCHING TO AGENTS BASED ON PATTERN MATCHING ALGORITHMS	Pending	12/266418	
United States of America	SELECTIVE MAPPING OF CALLERS IN A CALL CENTER ROUTING SYSTEM	Pending	12/266446	
United States of America	BALANCING MULTIPLE COMPUTER MODELS IN A CALL CENTER ROUTING SYSTEM	Granted	12/266461	8472611
United States of America	ROUTING CALLERS TO AGENTS BASED ON PERSONALITY DATA OF AGENTS	Pending	12/267459	
United States of America	ROUTING CALLERS TO AGENTS BASED ON TIME EFFECT DATA	Pending	12/267471	
United States of America	SEPARATE PATTERN MATCHING ALGORITHMS AND COMPUTER MODELS BASED ON AVAILABLE CALLER DATA	Pending	12/331153	
United States of America	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Granted	12/331201	8433597
United States of America	ROUTING CALLERS OUT OF QUEUE ORDER FOR A CALL CENTER ROUTING SYSTEM	Pending	12/331186	
United States of America	ROUTING CALLERS FROM A SET OF CALLERS BASED ON CALLER DATA	Pending	12/331195	
United States of America	POOLING CALLERS FOR A CALL CENTER ROUTING SYSTEM	Pending	12/331210	
United States of America	JUMPING CALLERS HELD IN QUEUE FOR A CALL CENTER ROUTING SYSTEM	Pending	12/331181	
United States of America	SEPARATE MATCHING MODELS BASED ON TYPE OF PHONE ASSOCIATED WITH A CALLER	Pending	12/331161	
United States of America	SELECTIVE MAPPING OF CALLERS IN A CALL-CENTER ROUTING SYSTEM BASED ON INDIVIDUAL AGENT SETTINGS	Granted	12/355618	8295471
United States of America	PROBABILITY MULTIPLIER PROCESS FOR CALL CENTER ROUTING	Pending	12/490949	
United States of America	ESTIMATING AGENT PERFORMANCE IN A CALL ROUTING CENTER SYSTEM	Pending	12/869645	

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United States of America	PRECALCULATED CALLER-AGENT PAIRS FOR A CALL CENTER ROUTING SYSTEM	Pending	12/869654	
United States of America	PREDICTED CALL TIME AS ROUTING VARIABLE IN A CALL ROUTING CENTER SYSTEM	Pending	13/221692	
United States of America	CALL MAPPING SYSTEMS AND METHODS USING BAYESIAN MEAN REGRESSION (BMR)	Pending	61/615772	
United States of America	CALL MAPPING SYSTEMS AND METHODS USING VARIANCE ALGORITHM (VA)	Pending	61/615788	
United States of America	USE OF ABSTRACTED DATA IN PATTERN MATCHING SYSTEM	Pending	61/705040	,
United States of America	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Pending	13/715765	
United States of America	CALL MAPPING SYSTEMS AND METHODS USING BAYESIAN MEAN REGRESSION (BMR)	Pending	13/843807	
United States of America	CALL MAPPING SYSTEMS AND METHODS USING VARIANCE ALGORITHM (VA) AND/OR	Pending	13/843724	
United States of America	DISTRIBUTION COMPENSATION CALL MAPPING SYSTEMS AND METHODS USING VARIANCE ALGORITHM (VA) AND/OR	Granted	13/843541	8565410
United States of America	DISTRIBUTION COMPENSATION	Pending	61/800961	
United States of America	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Pending	13/854825	******
Philippines	SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Pending	1-2010-501704	
Philippines	ROUTING CALLERS FROM A SET OF CALLERS BASED ON CALLER DATA	Pending	1-2010-501705	
Philippines	CALL ROUTING METHODS AND SYSTEMS BASED ON MULTIPLE VARIABLE STANDARDIZED SCORING AND SHADOW QUEUE	Pending	1-2011-500426	
Philippines	SYSTEMS AND METHODS IN A CALL CENTER ROUTING SYSTEM	Pending	1-2011-500868	·
P.Ç.T.	CALL MAPPING SYSTEMS AND METHODS USING BAYESIAN MEAN REGRESSION (BMR)	Pending	PCT/US2013/033261	
P.G.T.	CALL MAPPING SYSTEMS AND METHODS USING VARIANCE	Pending	PCT/US2013/033265	
	ALGORITHM (VA) AND/OR DISTRIBUTION COMPENSATION			
P.C.T.	CALL MAPPING SYSTEMS AND METHODS USING VARIANCE ALGORITHM (VA) AND/OR DISTRUTION	Pending	PCT/US2013/033268	
New Zealand	DISTRIBUTION COMPENSATION SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER	Pending	587101	
New Zealand	ROUTING CALLERS FROM A SET OF CALLERS BASED ON CALLER DATA	Pending	587100	
New Zealand	CALL ROUTING METHODS AND SYSTEMS BASED ON MULTIPLE VARIABLE STANDARDIZED SCORING AND SHADOW QUEUE	Pending	591486	
New Zealand	SYSTEMS AND METHODS IN A CALL CENTER ROUTING SYSTEM	Pending	592781	
Mexico	ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER SEQUENCE	Pending	MX/a/2010/008238	

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Mexico CALL ROUTING METHODS AND SYSTEMS BASED ON MULTIPLE VARIABLE STANDARDIZED SCORING AND SHADOW QUEUE Pending MX/a/2011/002272 Mexico TWO STEP ROUTING PROCEDURE IN CALL CENTER Pending MX/a/2011/004815 Japan SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER Pending 2010-544292 Japan SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER Pending 2013-117498 Japan CALL ROUTING METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER Pending 2011-525099 Japan CALL ROUTING METHODS FINA CONTACT CENTER Pending 2011-535592 Japan CALL ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER Pending 2011-535592 Japan SYSTEMS AND METHODS FOR ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER SEQUENCE Pending 2010-544399 Japan SYSTEMS AND METHODS FOR ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER Pending 5966/DELNP/2010 India SYSTEMS AND METHODS FOR ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER Pending 5967/DELNP/2010 India CALLERS IN AN OUT OF ORDER SYSTEMS ASED ON MULTIPLE Pending 5967/DELNP/2010 I				
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	European Patent Office		Pending	09752022.5
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PATENT REEL: 0315321ERAME: 0649 REEL: 044874 FRAME: 0858

PATENT REEL: 031582 FRAME: 0650 REEL: 044874 FRAME: 0859

SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER

ROUTING CALLERS FROM A SET OF CALLERS IN AN OUT OF ORDER

CALL ROUTING METHODS AND SYSTEMS BASED ON MULTIPLE VARIABLE STANDARDIZED SCORING AND SHADOW QUEUE

SYSTEMS AND METHODS IN A CALL CENTER ROUTING SYSTEM

SEQUENCE

Australia

Australia

Australia

Australia

Pending

Pending

Pending

Pending

2008349500

2009209317

2009288509

Schedule 2 Software Code

All software code developed or in development for the provision of SATMAP service, including but not limited to the SATMAP code, the SATMAP Bridge Service code, the SATMAP Async Service code, and the SATMAP Explorer code.

PATENT REEL: 031527FERAME: 0651 REEL: 044874 FRAME: 0860

10 Ultrain Director

Director

Signed by: <u>Mohammed Khaishgi</u> for and on behalf of **THE RESOURCE GROUP INTERNATIONAL LIMITED**

In the presence of:

Signature of witness

<u>Pat Costello</u> Name of witness

1700 Penn. Ave, Suite 560 Washington DC 20006 Address of witness

Signed by: <u>Zia Chishti</u> for and on behalf of **SATMAP INTERNATIONAL HOLDINGS LIMITED**

In the presence of:

set de

Signature of witness

Pat Costello Name of witness

1700 Penn. Ave, Suite 560 Washington DC 20006 Address of witness

RECORDED: 11/12/2013

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Zia CHISHTI and S. James P. SPOTTISWOODE (hereinafter referred to as the assignors), with a mailing or residential address of Milner House, 18 Parliament Street, Hamilton, HM FX, Bermuda and 9824 Charleville Boulevard, Beverly Hills, California 90212, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ESTIMATING AGENT PERFORMANCE IN A CALL ROUTING CENTER SYSTEM, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; and

WHEREAS, The Resource Group International LTD, a corporation duly organized under and pursuant to the laws of Bermuda and having its principal place of business at Milner House, 18 Parliament Street, Hamilton, HM FX, Bermuda (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

pa-1419776

PATENT REEL: 024**9ACER**AME: 0123 REEL: 044874 FRAME: 0862

"I hereby authorize and request the assignee's attorneys, Morrison & Foerster LLP, to insert here in parentheses (Application number 12/869, 645, filed 08/26/2010) the application number and filing date of said application when known."

<u>8/26/2010</u> Date	Zia CHISHTI	
Date	S. James P. SPOTTISWOODE	
		• • •

pa-1419776

PATENT REEL: 024949 ERAME: 0124 REEL: 044874 FRAME: 0863

ASSIGNMENT JOINT

THIS ASSIGNMENT, by Zia CHISHTI and S. James P. SPOTTISWOODE (hereinafter referred to as the assignors), with a mailing or residential address of Milner House, 18 Parliament Street, Hamilton, HM FX, Bermuda and 9824 Charleville Boulevard, Beverly Hills, California 90212, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ESTIMATING AGENT PERFORMANCE IN A CALL ROUTING CENTER SYSTEM, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; and

WHEREAS, The Resource Group International LTD, a corporation duly organized under and pursuant to the laws of Bermuda and having its principal place of business at Milner House, 18 Parliament Street, Hamilton, HM FX, Bermuda (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

pa-1419776

PATENT REEL: 0249407ERAME: 0125 REEL: 044874 FRAME: 0864

"I hereby authorize and request the assignee's attorneys, Morrison & Foerster LLP, to insert here in parentheses (Application number 12/869, 645, filed 08/25/2010) the application number and filing date of said application when known."

Date 8 2010 Date

Zia CHISHTI S. James P. TTISWOODE

pa-1419776

RECORDED: 09/03/2010 RECORDED: 02/08/2018 PATENT REEL: 024**9407ER4ME:** 0126 REEL: 044874 FRAME: 0865