10/13/2016 504050038

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4096700

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VENKATA RAO VENKAMSETTY	10/10/2016
BOYD KNUTSON	10/13/2016
KISHEN MANJUNATH	10/12/2016
KARTHICK SENGODAN	10/11/2016
THANGADURAI NARAYANAN	10/10/2016
BLAINE BRYSH	10/12/2016

RECEIVING PARTY DATA

Name:	HONEYWELL INTERNATIONAL INC.
Street Address:	115 TABOR RD
City:	MORRIS PLAINS
State/Country:	NEW JERSEY
Postal Code:	07950

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15293212

CORRESPONDENCE DATA

Fax Number: (973)455-5904

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: 973-455-3389

Email: patentservices-us@honeywell.com

HONEYWELL/MUNCK PATENT SERVICES **Correspondent Name:**

Address Line 1: 115 TABOR ROAD Address Line 2: P.O. BOX 377

Address Line 4: MORRIS PLAINS, NEW JERSEY 07950

ATTORNEY DOCKET NUMBER:	H0056848-0113
NAME OF SUBMITTER:	WILLIAM A. MUNCK
SIGNATURE:	/William A. Munck/
DATE SIGNED:	10/13/2016

PATENT REEL: 040011 FRAME: 0186 504050038

Total Attachments: 12	
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PATENT REEL: 040011 FRAME: 0187 any of the rights assigned by this Agreement:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

CROSS SECURITY LAYER SECURE COMMUNICATION

To which application for patent in the Officed Sta	ites.
X has been executed on even date herewith	
was executed on	<u></u>
was filed ona	nd assigned U.S. Application No.
AND WHEREAS, the "Assigned Proper application for patent (the "Application"), (ii) applications for patent throughout the world directly arising from the Application or from Protection of Industrial Property or under relevangreements, in any jurisdiction, (v) any and all	rty" shall mean (i) the above-identified United States ill inventions disclosed in the Application, (iii) any and all ected to the subject matter of the Application, (iv) the right such other applications, under the Paris Convention for the rant laws, treaties, conventions or bilateral and multilateral patents throughout the world resulting from the Application any and all claims against third parties in connection with

AND WHEREAS, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Rd, Morris Plains, NJ 07950, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filling and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

David A. Cohen Assistant Secretary Honeywell International Inc.

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Venkata Rao Venkametty Venkata Rao Venkamsetty	Date: 10/10/2016
Boyd Knutson	Date:
Kishen Manjunath	Date:
Karthick Sengodan	Date:
Thangadurai Narayanan	Date:
Blaine Brysh	Date:

for which application for patent in the United States:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

CROSS SECURITY LAYER SECURE COMMUNICATION

V use peen executed on even dat	e nerewitn;	
was executed on		
was filed on	and assigned U.S. Application No.	
AND WHEREAS, the "Assign	ned Property" shall mean (i) the above	identified United States
application for patent (the "Applicat	ion"), (ii) all inventions disclosed in the Ap	plication (iii) any and ali
applications for patent throughout th	e world directed to the subject matter of the	Application (iv) the right
of priority arising from the Application	on or from such other applications, under the	Desir O

application for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Rd, Morris Plains, NJ 07950, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

CUTED on behalf of ASSIGNEE and effective	e as of the lates	t date of the			re(s) below
Doublow			ent de y		
Devid A. Cohen	pro de la				
David A. Cohen Assistant Secretary Honeywell International Inc.					
EXECUTED as of the date(s) set forth below	on behalf of the	∍ ASSIGNO	PR:	ka se j	
	e se				
	•	, D	ate:		
Venkata Rao Venkamsetty					11
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Kishen Manjunath					
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Thangadurai Narayanan		U	ale		
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Blaine Brysh					

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as ASSIGNOR) has invented new and useful improvements in:

CROSS SECURITY LAYER SECURE COMMUNICATION

early on application for par-	
X has been executed on	even date herewith:
was executed on	
was filed on	and assigned U.S. Application No.
4ND WHEREAS, the	"Assigned Property" shall mean (i) the above-identified United States
accompanion to patent the	"Application"), (ii) all inventions disclosed in the Application, (iii) any and all
GOC CAPOUS IS DISTORT THICK	ighout the world directed to the subject matter of the Application, (iv) the right

patent (the "Application"). (ii) all inventions disclosed in the Application, (iii) any and all so catent throughout the world directed to the subject matter of the Application, (iv) the right provide arising from the Application or from such other applications, under the Paris Convention for the Provider of States of States and From the Application of the Provider of States and From the Application of the Provider of States and From the Application of the Provider of States and States and

AND WHEREAS, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Rd Morris Plains, NJ 07950, its successors and assigns (hereinafter individually and collective) referred to its "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included there its

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are believed acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNOR'S entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sold use and benefit of ASSIGNEE, ASSIGNEE hereby accepts such transfer and assignment:

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to each page of this instrument (where indicated) the filing date and application number of said Application with known.

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further tent, there can but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of the protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing and assigned property desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executed by and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executed administrators for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any piece so it of this assignment is held by any court to be unenforceable, such provision shall be the previous to the fullest extent allowed by law and the enables of this assignment shall remain in full force and effect.

The association shall be construed, governed, interpreted and applied in accordance with the laws of

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PATENT

REEL: 040011 FRAME: 0192

								t date					

David A. Cohen
Assistant Secretary
Honewell International Inc.

EXECUTED as of the cate(s) set forth below on behalf of the ASSIGNOR;

Venkata Rao Venkamsetty	Date:
Boyd Knutson 2	Date;
Kishen Manjunath	Date: 127" Oct 116
Karthick Sengodian	Date:
Thangadurai Narayanan	Date
	Date Date

MONTAGE SERVICES CARROLLES

PATENT

REEL: 040011 FRAME: 0193

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

CROSS SECURITY LAYER SECURE COMMUNICATION

for which application for patent i	n the United States:
X has been executed on eve	n date herewith;
was executed on	
was filed on	and assigned U.S. Application No;
application for patent (the "Ap applications for patent through of priority arising from the Appl Protection of Industrial Propert agreements, in any jurisdiction,	assigned Property" shall mean (i) the above-identified United States plication"), (ii) all inventions disclosed in the Application, (iii) any and all out the world directed to the subject matter of the Application, (iv) the right ication or from such other applications, under the Paris Convention for the yor under relevant laws, treaties, conventions or bilateral and multilateral (v) any and all patents throughout the world resulting from the Application patents, and (vi) any and all claims against third parties in connection with a Agreement;
115 Tabor Rd, Morris Plains, collectively referred to as "AS	Il International Inc., a Delaware corporation having a place of business at NJ 07950, its successors and assigns (hereinafter individually and SSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and from said Assigned Property and in general all property rights included
hereby acknowledged, ASSIGN ASSIGNEE ASSIGNOR's entire	ood and valuable consideration, the receipt and sufficiency of which are IOR does hereby irrevocably and unconditionally assign and transfer unto right, title and interest in and to and resulting from the Assigned Property, uests the Commissioner of Patents to issue said natent to ASSIGNEE for

the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

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Dansto Wh	~	
David A. Cohen	+	
Assistant Secretary		
Honeywell International Inc.		
EXECUTED as of the date(s) set forth below on behalf of	the ASSIGNOR	
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	,	
	Date:	
Vankota Pan Vanko	Date.	
Venkata Rao Venkamsetty		
	* :	
	Date:	
Boyd Knutson		5 1, 25
Sishen Manjunath	Date:	
ashen wanjunath		
Kathin Jengodan	<u> </u>	11 6
Maxim Jengottan	Date:	11-oct-20
arthick Sengodan		*
	Date:	
hangadurai Narayanan		

for which application for notant in the Links of Contract

any of the rights assigned by this Agreement:

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CROSS SECURITY LAYER SECURE COMMUNICATION

TO WITHOUT application to	patent in the Unit	ied States:				
X has been execute	d on even date he	rewith;				
was executed on _						
was filed on		and assi	gned U.S. Appli	cation No		;
AND WHEREAS, application for patent (applications for patent t of priority arising from t	the "Application") hroughout the wo	i, (ii) all inver orld directed t	ntions disclosed to the subject m	d in the Applic	ation, (iii) any	and all
Protection of Industrial agreements, in any juris or such other applicatio	Property or unde sdiction, (v) any a	r relevant lav nd all patents	vs, treaties, cor s throughout the	nventions or bi	lateral and mul	Itilateral

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XECUTED on behalf of ASSIGNEE and effective as of the	latest date of the ASSIGNOR signature(s) be	elow:
Dous Cohen		
<u>David A. Cohen</u> <u>Assistant Secretary</u> <u>Honeywell International Inc.</u>		
EXECUTED as of the date(s) set forth below on behalf	of the ASSIGNOR:	
	Date:	
Venkata Rao Venkamsetty		
	•	
Boyd Knutson	Date:	
Kishen Manjunath	Date:	
Marien Manjunath		
Karthick Sengodan	Date:	
Thangadurai, Narayanan Thangadurai Narayanan	Date: 10/10/2016	
Thangadurai Narayanan		
	Deter.	
Blaine Brysh	Date:	_

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

CROSS SECURITY LAYER SECURE COMMUNICATION

for which application for patent in the United Sta	ates:
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AND WHEREAS, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Rd, Morris Plains, NJ 07950, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein:

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HON Assignment Rev Detober 2015

PATENT

REEL: 040011 FRAME: 0198

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EXECUTED on behalf of ASSIGNEE and effective as of the control of	f the latest date of the ASSIGNOR signature(s) below
EXECUTED as of the date(s) set forth below on be	half of the ASSIGNOR.
Venkata Rao Venkamsetty	Date:
Boyd Knutson	Date:
Kishen Manjunath	Date:
Karthick Sengodan	Date:
Thangadurai Narayanan	Date:
Blaine Brysh	Date: <u>Oc4.13</u> , 2016
Kishen Manjunath Karthick Sengodan Thangadurai Narayanan	Date: Date:

HON Assignment Rev. October 2015

RECORDED: 10/13/2016

PATENT REEL: 040011 FRAME: 0199