## 504357870 05/09/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4404561

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
JUN ISOBE	05/09/2017
CHARLES LO	04/27/2017
AMANDA CHILDERS	04/24/2017
STEPHEN YATES	04/27/2017
DALE WINTON	04/27/2017

## RECEIVING PARTY DATA

Name:	HONEYWELL INTERNATIONAL INC.
Street Address:	115 TABOR ROAD, P.O. BOX 377
Internal Address:	MAIL STOP 4D3
City:	MORRIS PLAINS
State/Country:	NEW JERSEY
Postal Code:	07950

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15586590

## **CORRESPONDENCE DATA**

Fax Number:

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:** 9744552062

**Email:** patentservices-us@honeywell.com

Correspondent Name: HONEYWELL/SHIMOKAJI PATENT SERVICES

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

Address Line 2: MAIL STOP 4D3

Address Line 4: MORRIS PLAINS, NEW JERSEY 07950

ATTORNEY DOCKET NUMBER:	H0057469-3138(039-1206)
NAME OF SUBMITTER:	MICHAEL A. SHIMOKAJI
SIGNATURE:	/Michael A. Shimokaji/
DATE SIGNED:	05/09/2017

PATENT 504357870 REEL: 042296 FRAME: 0134

# Total Attachments: 10 source=H0057469-3138\_AssignmentIsobe\_05-09-17\_039-1206#page1.tif source=H0057469-3138\_AssignmentIsobe\_05-09-17\_039-1206#page2.tif source=H0057469-3138\_AssignmentLo\_05-09-17\_039-1206#page2.tif source=H0057469-3138\_AssignmentLo\_05-09-17\_039-1206#page2.tif source=H0057469-3138\_AssignmentChilders\_05-09-17\_039-1206#page1.tif source=H0057469-3138\_AssignmentChilders\_05-09-17\_039-1206#page2.tif source=H0057469-3138\_AssignmentYates\_05-09-17\_039-1206#page1.tif source=H0057469-3138\_AssignmentYates\_05-09-17\_039-1206#page2.tif source=H0057469-3138\_AssignmentWinton\_05-09-17\_039-1206#page1.tif source=H0057469-3138\_AssignmentWinton\_05-09-17\_039-1206#page2.tif

PATENT REEL: 042296 FRAME: 0135

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

# INDUCTIVELY HEATED METHANE PYROLYSIS REACTOR FOR ADVANCED OXYGEN RECOVERY IN ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEMS

has been executed on e	even date herewith;	
was executed on	;	
X was filed on _5/4/2017_	and assigned U.S. Application No15/586,590_	;
AND WHEREAS, the	"Assigned Property" shall mean (i) the above-identified	United States
application for patent (the "A	Application"), (ii) all inventions disclosed in the Application,	(iii) any and all
applications for patent through	shout the world directed to the subject matter of the Application	on, (iv) the right
of priority arising from the Ap	oplication or from such other applications, under the Paris Cor	nvention for the
Protection of Industrial Prope	erty or under relevant laws, treaties, conventions or bilateral	and multilateral
agreements, in any jurisdiction	on, (v) any and all patents throughout the world resulting from	the Application
or such other application(s) for	or patents, and (vi) any and all claims against third parties in	connection with
any of the rights assigned by	. , , , , , , , , , , , , , , , , , , ,	

**AND WHEREAS**, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Road, PO Box 377, Mail Stop: 4D3, Morris Plains, New Jersey 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.

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

Douglas A. Mullen

Assistant General Counsel, IP Honeywell International Inc.

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

Jun Isobe	Date: 5/9/2017
Charles Lo	Date:
Amanda Childers	Date:
Stephen Yates	Date:
Dale Winton	Date:

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

# INDUCTIVELY HEATED METHANE PYROLYSIS REACTOR FOR ADVANCED OXYGEN RECOVERY IN ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEMS

has been executed on even da	ite herewith;	
was executed on	;	
_X_ was filed on _5/4/2017	and assigned U.S. Application No15/586,590	;
application for patent (the "Applications for patent throughout the of priority arising from the Application Protection of Industrial Property or agreements, in any jurisdiction, (v) a	ned Property" shall mean (i) the above-identified Unite tion"), (ii) all inventions disclosed in the Application, (iii) and world directed to the subject matter of the Application, (iv) on or from such other applications, under the Paris Convention under relevant laws, treaties, conventions or bilateral and many and all patents throughout the world resulting from the Application, and (vi) any and all claims against third parties in conne	ny and all ) the right on for the nultilateral opplication
any of the rights assigned by this Ag	greement;	

**AND WHEREAS**, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Road, PO Box 377, Mail Stop: 4D3, Morris Plains, New Jersey 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.

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

Douglas A. Mullen

Assistant General Counsel, IP Honeywell International Inc.

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

	Date:
Jun Isobe	
Chale to	Date: <u>4-27 - シッ/7</u>
Charles Lo	
	Date:
Amanda Childers	
	Date:
Stephen Yates	
Dale Winton	Date:

 $C:\label{lem:content} $$C:\label{lem:content} C:\label{lem:content} $$C:\label{lem:content} $$C:\lab$ 

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:

# INDUCTIVELY HEATED METHANE PYROLYSIS REACTOR FOR ADVANCED OXYGEN RECOVERY IN ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEMS

			211				
	has been executed	d on even date he	erewith;				
	was executed on _		;				
X	was filed on _5/4/2	2017	_ and assigned	d U.S. Application	on No15/58	6,590	;
1	AND WHEREAS,	the "Assigned	Property" sha	ıll mean (i) th	ne above-ider	ntified United	d States
appli	ication for patent (	(the "Application"	), (ii) all invent	ions disclosed	in the Applica	ation, (iii) an	y and all
appli	ications for patent	throughout the w	orld directed to	the subject ma	atter of the Ap	plication, (iv)	the right
of pr	iority arising from t	the Application or	from such other	er applications,	under the Pa	ris Conventio	on for the
Prote	ection of Industrial	Property or unde	er relevant laws	s, treaties, conv	entions or bild	ateral and m	ultilateral
agre	ements, in any juris	sdiction, (v) any a	and all patents	throughout the	world resulting	g from the A	oplication
or su	ich other application	on(s) for patents	and (vi) anv an	d all claims aga	ainst third part	ies in connec	ction with

**AND WHEREAS**, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Road, PO Box 377, Mail Stop: 4D3, Morris Plains, New Jersey 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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**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.

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

Douglas A. Mullen Assistant General Counsel, IP Honeywell International Inc.

Duyloo O. Nolle-

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

Jun Isobe	Date:
Charles Lo	Date:
Omanda Childer Amanda Childers	Date: 4/24/17
Stephen Yates	Date:
Dale Winton	Date:

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:

# INDUCTIVELY HEATED METHANE PYROLYSIS REACTOR FOR ADVANCED OXYGEN RECOVERY IN ENVIRONMENTAL CONTROL AND LIFE SUPPORT SYSTEMS

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was executed on	<u> </u>	
X was filed on _5/4/2017	and assigned U.S. Application No15/586,590	;
· · · · · · · · · · · · · · · · · · ·	Assigned Property" shall mean (i) the above-identified United Staplication"), (ii) all inventions disclosed in the Application, (iii) any and	
applications for patent through	out the world directed to the subject matter of the Application, (iv) the r	igh
. , , , , , , , , , , , , , , , , , , ,	lication or from such other applications, under the Paris Convention for by or under relevant laws, treaties, conventions or bilateral and multilat	
agreements, in any jurisdiction	, (v) any and all patents throughout the world resulting from the Applica	tior
or such other application(s) for	patents, and (vi) any and all claims against third parties in connection v	with

**AND WHEREAS**, Honeywell International Inc., a Delaware corporation having a place of business at 115 Tabor Road, PO Box 377, Mail Stop: 4D3, Morris Plains, New Jersey 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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Dale Winton

Assistant General Counsel, IP Honeywell International Inc.

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

Jun Isobe	Date:
Charles Lo	Date:
Amanda Childers	Date:
Stepben vates	Date: 4/27/17
/	Date:

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	as been executed on even date herewith;
	as executed on;
X	as filed on _5/4/2017 and assigned U.S. Application No15/586,590;
appl appl	<b>D WHEREAS,</b> the "Assigned Property" shall mean (i) the above-identified United States tion for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and al tions for patent throughout the world directed to the subject matter of the Application, (iv) the right
Prot	ity arising from the Application or from such other applications, under the Paris Convention for the ion of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilatera
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 $F: \o 39-Honeywell \o 39-1206 \o NTERNAL\ DRAFTS \o Formal\ Documents \o H0057469-3138\_Assignment\_04-19-2017\_039-1206. Documents \o H0057469-3138\_Assignment\_04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-19-2017-04-1$ 

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

Douglas A. Mullen

**RECORDED: 05/09/2017** 

Assistant General Counsel, IP Honeywell International Inc.

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

	Date:
Jun Isobe	
	Date:
Charles Lo	
	Date:
Amanda Childers	
Stephen Yates	Date:
otephen rates	
0 4	
Dal Winton	Date: 4/27/17
Dale Winton	-

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