# 504001883 09/13/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4048539

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DUK JUN KIM	01/11/2016
SANG JOON PARK	01/07/2016
DONG KEUN JEON	01/07/2016
KI YONG LEE	01/07/2016
HYUN UK SIN	01/07/2016
GYU DONG MOON	01/07/2016

# **RECEIVING PARTY DATA**

Name:	GLOBAL STANDARD TECHNOLOGY CO., LTD.	
Street Address:	15-13, DONGTANSANDAN 6-GIL	
Internal Address:	DONGTAN-MYEON, HWASEONG-SI	
City:	GYEONGGI-DO	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	18487	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14993170

# **CORRESPONDENCE DATA**

**Fax Number:** (248)292-2910

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:** 248-292-2920

Email: wmorgan@patentco.com
Correspondent Name: KRISTEN L. PURSLEY
Address Line 1: 29 W. LAWRENCE STREET

Address Line 2: SUITE 210

Address Line 4: PONTIAC, MICHIGAN 48342

ATTORNEY DOCKET NUMBER:	1889.001
NAME OF SUBMITTER:	KRISTEN L. PURSLEY
SIGNATURE:	/Kristen L. Pursley/
DATE SIGNED:	09/13/2016

# Total Attachments: 6 source=20160913\_1889\_001\_Assignments#page1.tif source=20160913\_1889\_001\_Assignments#page2.tif source=20160913\_1889\_001\_Assignments#page3.tif source=20160913\_1889\_001\_Assignments#page4.tif source=20160913\_1889\_001\_Assignments#page5.tif source=20160913\_1889\_001\_Assignments#page6.tif

As a below named inventor, I hereby declare that:  TYPE OF DECLARATION: This declaration is for an original application.  INVENTORSHIP IDENTIFICATION: My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original inventor, or an original joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled: APPARATUS FOR PURIFYING WASTE GASES FOR INTEGRATED SEMICONDUCTOR  SPECIFICATION IDENTIFICATION: The attached application; or or the United States Application Number or PCT International Application Number filed on			
ASSIGNMENT OF INVENTION: In consideration of the payment by ASS the receipt of which is hereby acknowledged, and for other good and value	IGNEE to ASSIGNORS able consideration,	of the sum of One Dollar (\$1.00),	
ASSIGNOR: hereby sell, assign and transfer to KIM, Duk Jun (Jeongjadong, Michelan Chereville) B-1804, 100, Jeongjail-ro, Bundang-gu, Seongnam-si Gyeonggi-do,13562, Republic of Korea Nationality: KR	ASSIGNEE: Global Standard Teci 15-13, Dongtansanda Hwaseong-si, Gyeon Republic of Korea State or Country of Fo	nn 6-gil, Dongtan-myeon ggi-do, 18487	
and the successors, assigns and legal representatives of the ASSIGNEE any foreign countries, including all rights to claim priority, in and to any referenced application 14/993,170 filed on 1/12/2016 (a here the application number and filing date) including the right to claim and to KR10-2015-0125530, filed September 4, 2015 (the entire right, the sold, assigned and transferred to Assignee to the extent not already done said invention by the above-referenced application or any continuation, countries and as to letters patent any reissue or re-examination thereof, including thereby covenant that no assignment, sale, agreement or encumbrance conflict with this assignment. ASSIGNOR further covenant that ASSIGN pertinent facts and documents relating to said invention and said Letters and will testify as to the same in any interference, litigation or proceeding ASSIGNEE or its legal representatives any and all papers, instruments and enforce said United States application, said invention and said Letter the purposes thereof.	and all improvements wand do hereby authorize a priority in the United Stattle and interest in each eso); and, in and to, all ontinuation-in-part, divisionany and all rights to su has been or will be make will, upon its requee Patent as may be known or efficavits required to affidavits required to	which are disclosed in the above- Assignee or its designee to insert tes or in any foreign countries, in such application are also hereby Letters Patent to be obtained for on, renewal, or substitute thereof, e for past damages. ASSIGNOR ade or entered into which would set, be provided promptly with all you and accessible to ASSIGNOR if promptly execute and deliver to apply for, obtain, maintain, issue	
Signature	esidence:	Gyeonggi-do, 13562 Republic of Korea	
Date:  JANUARY 11 . ZO16	ost Office Address:	(Jeongjadong, MichelanChereville) B-1804, 100, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13562,Republic of Korea	
Citizenship: KR			
SUBSCRIBING WITNESS AFFIDAVIT OF EXEMPLES AFFIDAVIT OF AFFIDAVIT OF EXEMPLES AFFIDAVIT OF EXEMPLES AFFIDAVIT OF AF	<u>19 Jailer o</u> Bund Jun_who is personally	ang Ju. Seong nam-Si G Xeonggi Jo known or identified to me to before a	
Signed at: <u>Gyeonggi-do, Republic of Korea</u> On this <u>30</u> day of <u>December</u> 2015	1 hi		
Subscribing Witness	1		

TYPE OF DECLARAT INVENTORSHIP IDEN that I am an original ir invention entitled: APP SPECIFICATION IDE Application Number file designee to insert here ACKNOWLEDGMENT application was made identified specification, in 37, Code of Federal DECLARATION: I her information and belief statements and the like Code, and that such we	ITIFICATION: My residence ventor, or an original journal properties of the application number of REVIEW OF PA or authorized to be maincluding the claims. I Regulations, § 1.56, eby declare that all stars believed to be the so made are punished illituitalse statements multiple.	s for an original application, post office addressint inventor of the subvine WASTE GASES attached application; 20	ess and citizenship are as stated to matter that is claimed, a FOR INTEGRATED SEMICATED SEMICATE	that the filing of the above-identified understand the contents of the above-in is material to patentability as defined true and that all statements made on with the knowledge that willful false in 1901 of Title 18 of the United States
ASSIGNOR:	hamby and a	ssign and transfer to	ASSIGNEE:	
PARK, Sang Joon	neieuy sen, a	ssign and dansier to	Global Standard Tec	hnology Co., Ltd.
(Hanil Apt.) 103-414,		n		an 6-gil, Dongtan-myeon
Pyeongtaek-si, Gyeo. Republic of Korea	nggi-do, 17707		Hwaseong-si, Gyeon Republic of Korea	ggi-do, 1848/
Nationality: KR			State or Country of Fo	ormation; KR
2015-0125530, filed S- transferred to Assigne above-referenced appl any reissue or re-exa- assignment, sale, agn ASSIGNOR further con to said invention and interference, litigation a and all papers, instrum	eptember 4, 2015 (the e to the extent not alre- ication or any continua- mination thereof, inclu- sement or encumbranc- remant that ASSIGNEE, said Letters Patent as- or proceeding related tr- nents or affidavits requ- ers Patent which may be-	entire right, title and in eady done so); and, in titon, continuation-in-pa- ding any and all rights the has been or will be will, upon its request, to smay be known and the erect and will promptly ired to apply for, obtain the necessary or desirable.	terest in each such application and to, all Letters Patent to art, division, renewal, or substances for past damages made or entered into which percentile accessible to ASSIGNOR are execute and deliver to ASS	any foreign countries, in and to KR10- on are also hereby sold, assigned and be obtained for said invention by the stitute thereof, and as to letters patent ASSIGNOR hereby covenant that no n would conflict with this assignment, pertinent facts and documents relating nd will testify as to the same in any IGNEE or its legal representatives any se said United States application, said thereof.
Inventor's	PARK, Sang Joon	77:xxx	Residence:	Gyeonggi-do, 17707, Republic of
Signature	, , , , , , , , , , , , , , , , , , ,			Korea
essantia di Caranta di			Post Office Address:	(Hanil Apt.) 103-414, 55, LG-ro.
Date:	V200 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M soid		dinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 17707, Republic of
	JANVARY	1 2016		Korea
Citizenship:	KR			
چىن در <sub>ئارى</sub> ئاۋاتان ئا	_ SUBSCRIBING W	IITNESS AFFIDAVIT C	DF EXECUTION OF AN ASS	IGNMENT
1. PARK, Sang	doon ,,,	en de la companya de		Land of the All the Al
Whose full post office address is: Utanil AFT 1/03-4/0 Street, City, Postal Code, Country  Whose full post office address is: Utanil AFT 1/03-4/0 Street, City, Postal Code, Country  Kara				
Make oath and say the inventor named in the	t I was personally presentached assignment, d	ent and did see <u>PARK</u> uly sign and execute th	Sang Joon who is personate same for the purposes the	ally known or identified to me to be the
Signed at: Gyeonogi-do, Republic of Korea  On this 30 day of December 2015				
Subscribing Witness				
		į.		

TYPE OF DECLARATI INVENTORSHIP IDEN that I am an original invention entitled: APP, SPECIFICATION IDEN Application Number file designee to insert here ACKNOWLEDGMENT application was made of identified specification, in 37, Code of Federal DECLARATION: I here information and belief statements and the like	rentor, or an original joint inventor of the ARATUS FOR PURIFYING WASTE OF ITIFICATION: No The attached applied on 100 control of the application number and filing date. The application number and filing date of Review OF PAPERS AND DISTRIBUTION OF PAPERS AND DIST	e address and citizenship are as a the subject matter that is claimed, BASES FOR INTEGRATED SEMINATED SEMINATED SEMINATED SEMINATED SEMINATED SEMINATED STATES A tai Number // ).  UTY OF CANDOR: I hereby state that I have reviewed and the duty to disclose information, who herein of my own knowledge and that these statements were made apprisonment, or both, under Section.	pplication Number or PCT International (and do hereby authorize Assignee or its te that the filing of the above-identified d understand the contents of the above-ich is material to patentability as defined e true and that all statements made on de with the knowledge that willful faise on 1001 of Title 18 of the United States
	ENTION: In consideration of the payr by acknowledged, and for other good		RS of the sum of One Dollar (\$1.00), the
ASSIGNOR: JEON, Dong Keun (Gurodong) 28-10, Gu Guro-gu, Seoul, 08300 Republic of Korea Nationality: KR		Global Standard T	
foreign countries include application 14/993,17 application number and 2015-0125530, filled Settransferred to Assigned above-referenced application and reissue or re-example assignment, sale, agree ASSIGNOR further covide said invention and interference, litigation of and all papers, instrum	ding all rights to claim priority, in and filed on 1/12/2016.  If filing date) including the right to clair ptember 4, 2015 (the entire right, title into the extent not already done so); cation or any continuation, continuation thereof, including any and a ement or ericumbrance has been or enant that ASSIGNEE will, upon its resaid Letters Patent as may be known proceeding related thereto and will person to the continuation of the continuation.	to any and all improvements whic (and do hereby authorize Assign priority in the United States or it and interest in each such application, in and to, all Letters Patent on-in-part, division, renewal, or sull rights to sue for past damages will be made or entered into who quest, be provided promptly with an and accessible to ASSIGNOR promptly execute and deliver to AS r, obtain, maintain, issue and enforced.	nd interest for the United States and any hare disclosed in the above-referenced nee or its designee to insert here the nany foreign countries, in and to KR10-stion are also hereby sold, assigned and to be obtained for said invention by the bstitute thereof, and as to letters patent is. ASSIGNOR hereby covenant that no lich would conflict with this assignment, all pertinent facts and documents relating and will testify as to the same in any ISIGNEE or its legal representatives any once said United States application, said is thereof.
	JEON, Dong Keun	Residence:	Seoul, 08300, Republic of Korea
Signature  Date:	Sanuary 7. 2016	Post Office Address:	(Gurodong) 28-10, Gurojungang- ro 26 gil, Guro-gu, Seoul, 08300 Republic of Korea
Citizenship:	KR		
Make oath and say that the inventor named in the Signed at:		JEON, Dong Keun who is person execute the same for the purpose	rofer, Seed, 06200 Populic f karea onally known or identified to me to be
	Subscrit	oing Witness	

PATENT REEL: 039707 FRAME: 0811

P1

TYPE OF DECLARAT INVENTORSHIP IDEN that I am an original in invention entitled: APP SPECIFICATION IDEI Application Number field designee to insert here ACKNOWLEDGMENT Application was made identified specification, in 37, Code of Federal DECLARATION: I her information and belief	imed inventor, I hereby declare that:  ION: This declaration is for an original application: This declaration is for an original application: The control of the subsequents, or an original joint inventor of the subsequents, or an original joint inventor of the subsequents, or an original joint inventor of the subsequents.  I have application: The attached application and on	ess and citizenship are as st iject matter that is claimed, a FOR INTEGRATED SEMIC or a The United States App wher	and for which a patent is sought on the ONDUCTOR plication Number or PCT International and do hereby authorize Assignee or its that the filing of the above-identified understand the contents of the above-identified is material to patentability as defined true and that all statements made on with the knowledge that willful false
Code, and that such wi	liful false statements may jeopardize the valid	lity of the application or any p	patent issued thereon.
	<b>/ENTION:</b> In consideration of the payment by by acknowledged, and for other good and value.		5 of the sum of One Dollar (\$1.00), the
ASSIGNOR:	hereby sell, assign and transfer to	ASSIGNEE:	
LEE, Ki Yong		Global Standard Ted	chnology Co., Ltd.
(Siheungdong, Siheu		7	lan 6-gil, Dongtan-myeon
	ro 3-gil, Geumcheon-gu	Hwaseong-si, Gyeor	nggi-do, 18487
Seoul, 08615, Republ. Nationality: KR	c or Norea	Republic of Korea State or Country of Fe	nomation: KR
application number and 2015-0125530, filed So transferred to Assigned above-referenced appliantly reissue or re-exar assignment, sale, aground to said invention and interference, litigation cand all papers, instrum	ding all rights to claim priority, in and to any filed on 1/12/2016 (and of diffing date) including the right to claim priority to the extent not already done so); and, in cation or any continuation, continuation-in-paintation thereof, including any and all rights ement or encumbrance has been or will be enant that ASSIGNEE will, upon its request, said Letters Patent as may be known and or proceeding related thereto and will promptly tents or affidavits required to apply for, obtainers Patent which may be necessary or desirated.	ty in the United States or in terest in each such application and to, all Letters Patent to art, division, renewal, or substantial subst	any foreign countries, in and to KR10- on are also hereby sold, assigned and be obtained for said invention by the stitute thereof, and as to letters patent ASSIGNOR hereby covenant that no h would conflict with this assignment pertinent facts and documents relating and will testify as to the same in any IGNEE or its legal representatives any be said United States application, said thereof.  Seoul, 08615 Republic of Korea
		Post Office Address:	(Siheungdong, Siheung
Date:	Jar . 7. 20/6		Mokryeon Apt.) 102-402, 26, Geumha-ro 3-gil, Geumcheon-gu, Seoul, 08615, Republic of Korea
Citizenship:	KR:		
Make oath and say tha inventor named in the a	SUBSCRIBING WITNESS AFFIDAVIT ( ddress is: 10 2 402, 2 (10 16 16 16 16 16 16 16 16 16 16 16 16 16	<u>ro 3-g/l/ Geamon</u> untry K <u>i Yong</u> who is personally kr se same for the purposes the	en gu, seal, 08/15, hep. of have nown or identified to me to be the
On this <u>30</u> d	ay of December :		
	Subscribing Wi	usees v	

TYPE OF DECLAINVENTORSHIP that I am an origi invention entitled: SPECIFICATION Application Numb designee to inser ACKNOWLEDGN application was ni identified specific in 37, Code of Fe DECLARATION: information and I statements and ti Code, and that su  ASSIGNMENT O	low named inventor, I hereby declare that:  ARATION: This declaration is for an original IDENTIFICATION: My residence, post off inal inventor, or an original joint inventor of APPARATUS FOR PURIFYING WASTE I IDENTIFICATION: A The attached apport filed on	ice address and citizenship are as signed, a GASES FOR INTEGRATED SEMIC lication; or or The United States Apparal Number (6).  DUTY OF CANDOR: I hereby state are by state that I have reviewed and the duty to disclose information, which is the control of my own knowledge are in that these statements were made imprisonment, or both, under Section the validity of the application or any present by ASSIGNEE to ASSIGNORS.	and for which a patent is sought on the ONDUCTOR plication Number or PCT international and do hereby authorize Assignee or its that the filing of the above-identified understand the contents of the above-identified is material to patentability as defined true and that all statements made on a with the knowledge that willful false in 1001 of Title 18 of the United States patent issued thereon.
receipt of which is	s hereby acknowledged, and for other good	and valuable consideration,	
ASSIGNOR:	hereby sell, assign and tran		
SIN, Hyun Uk		Global Standard Te	
and the contract of the contra	mbaesan-ro, Dongtan-myeon	and the transfer of the transf	lan 6-gil, Dongtan-myeon
riwaseung-si, Gj Republic of Kore	yeonggi-do, 18480 ea	Hwaseong-si, Gyeor Republic of Korea	1991-00, 10401
Nationality: KR	र्वेत्रे	State or Country of F	ormation: KR
transferred to Assabove-referenced any reissue or reassignment, sale. ASSIGNOR furtheto sald invention interference, litiga and all papers, in	led September 4, 2015 (the entire right, titl signee to the extent not already done so); I application or any continuation, continual e-examination thereof, including any and , agreement or encumbrance has been o er covenant that ASSIGNEE will, upon its n and said Letters Patent as may be know allon or proceeding related thereto and will instruments or affidavits required to apply for d Letters Patent which may be necessary or	and, in and to, all Letters Patent to ion-in-part, division, renewal, or sub- all rights to sue for past damages. r will be made or entered into whice equest, be provided promptly with all wn and accessible to ASSIGNOR a promptly execute and deliver to ASS or, obtain, maintain, issue and enfor	be obtained for said invention by the stitute thereof, and as to letters patent ASSIGNOR hereby covenant that no the would conflict with this assignment, pertinent facts and documents relating and will testify as to the same in any IGNEE or its legal representatives any ce said United States application, said
Inventor's Signature	SIN, Hyun Uk	Residence:	Gyeonggi-do, 18480, Republic of Korea
<del>ा</del> 		Post Office Address:	105-1401, 30, Gambaesan-ro,
Date:			Dongtan-myeon, Hwaseong-si,
	JAHUARY 2,2016		Gyeonggi-do, 18480, Republic of Korea
Citizenship:	KR	ä.	
Signed at:	ffice address is 104-1481 38 Cto Street, City, Postal C sy that I was personally present and did sec the attached assignment, duly sign and ex Gyeonggi-do, Republic of	ecute the same for the purposes the of Korea	can. Umate org-51, Ctypeonffico 1848, Republic of Korea known or identified to me to be the
On this 30	day of <u>December</u>	J1 J1	
	Subscr	ibing Witness	

**RECORDED: 09/13/2016** 

### COMBINED DECLARATION & ASSIGNMENT

As a below named inventor, I hereby declare that:  TYPE OF DECLARATION: This declaration is for an original application.  INVENTORSHIP IDENTIFICATION: My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original inventor, or an original joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled: APPARATUS FOR PURIFYING WASTE GASES FOR INTEGRATED SEMICONDUCTOR  SPECIFICATION IDENTIFICATION: X The attached application; or or The United States Application Number or PCT International Application Number filed on				
ASSIGNMENT OF IN	VENTION: In consideration of the payment by ASS eby acknowledged, and for other good and valuable	GNEE to ASSIGNORS		
	hereby sell, assign and transfer to own) 501ho, 22, Bugongmatgoeul Syeongsangbuk-do, 39629	ASSIGNEE: Global Standard Tec 15-13, Dongtansanda Hwaseong-si, Gyeon Republic of Korea State or Country of Fo	an 6-gil, Dongtan-myeon ggi-do, 18487	
and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and any foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the above-referenced application \frac{147993.170}{filed on \frac{1272018}{filed on \fra				
invention and about con	ters Patent which may be necessary or desirable to		1101.000	
Inventor's Signature	MOGN, Gyu Dong R	esidence:	Gyeongsangbuk-do, 39629, Republic of Korea	
Date:	JANUARY 7, 2016	ost Office Address:	(Bugokdong, Daraetown) 501ho, 22, Bugongmatgoeul, 6-gil, Gimcheon-si, Gyeongsangbuk- do, 39629, Republic of Korea	
Citizenship:	KR			
SUBSCRIBING WITNESS AFFIDAVIT OF EXECUTION OF AN ASSIGNMENT  I. MOON GYU DONG  Whose full post office address is: (Bugckdong, Parcetoun) to I he, 21, Bugongmet goed, 6-gil, Gimcheok-St, Street, City, Postal Code, Country  Crycong Sangbuk - 60, 39 b 29, Republic of Korea  Make oath and say that I was personally present and did see MOON. Gyu Dong who is personally known or identified to me to be the inventor named in the attached assignment, duly sign and execute the same for the purposes therein stated.  Signed at: Gyeonggi-do, Republic of Korea				
On this <u>30</u>	day of	- 1940 -		
	Gooden Manness			