## 504571556 09/28/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4618266

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JIA MIN CHIN	09/26/2017
JIN YANG	05/05/2017
HAN YANG TAN	05/04/2017
YIN NGAI SUM	05/12/2017
SIOK WEI TAY	05/03/2017

#### RECEIVING PARTY DATA

Name:	AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH
Street Address:	1 FUSIONOPOLIS WAY, #20-10 CONNEXIS
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	138632

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15305336

### **CORRESPONDENCE DATA**

**Fax Number:** (408)720-8383

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:** (408) 720-8300

Email: CHRIS MARSHALL@BSTZ.COM

Correspondent Name: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Address Line 1: 1279 OAKMEAD PARKWAY

Address Line 4: SUNNYVALE, CALIFORNIA 94085

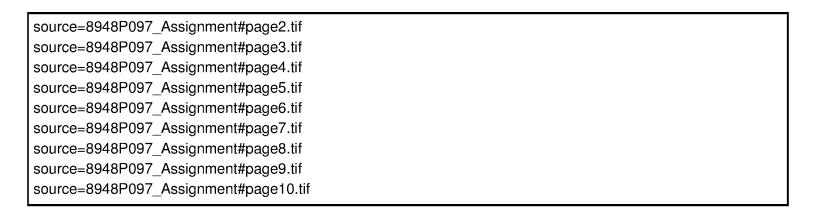
ATTORNEY DOCKET NUMBER:	8948P097
NAME OF SUBMITTER:	LESTER J. VINCENT
SIGNATURE:	/LESTER J. VINCENT/
DATE SIGNED:	09/28/2017

**Total Attachments: 10** 

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PATENT REEL: 043731 FRAME: 0684

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PATENT REEL: 043731 FRAME: 0685

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.: 8948P097			
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undereigned, <u>Jia Min CHIN, Jin YANG, Han Yang TAN, Yin Ngai SUM,</u> and Slok Wei TAY				
hereby sell, assign, and transfer to <u>Agency for Science.</u> T	echnology and Research			
a <u>agency</u> (Type of Assignes: e.g., corporation, company, partnership, university, e	of <u>SINGAPORE</u>			
having a principal place of business at				
1 Fusionopolis Way, #20-10, Connexis, Singapore, 138632	The state of the s			
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled METHOD FOR REGENERATING A USED SORBENT HAVING A GAS ADSORBATE				
ADSORBED THERETO				
sald patent application also identified as follows (when know	n):			
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]				
United States Patent Application Number 15/305,336 filed October 19, 2016				
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, release applications, reexaminations, extensions, and all other patent applications that have been or shall be filled in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filling of said United States application;				
agree that said Assignes may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignes, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, release applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or				

- 1 -

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

ach inventor: Pis	ease Sign <u>and Date</u> Below:	
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Date C	Signature	
	. Jia Min CHIN	
	Printed∕Typed Name	
<u> May 5</u> , 20_1 Date	17 1626	
Date		
	Jin YANG	
	Printed/Typed Name	
	***************************************	
Date	Signature	
	Han Yang TAN	
	Printed/Typed Name	
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Date	Signature	
	Yin Ngal SUM	
	Printed/Typed Name	
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Date	Signature	
	Sjok Wei TAY	
	Printed/Typed Name	
	<u>Ássinnmeni Documeni Return Address:</u> BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 1279 Cakmead Parkway Sunnyvale, CA 94085-4049 (408) 720-8300	
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PATENT REEL: 043731 FRAME: 0687

ASSIGNMENT OF PATENT APPLICATION	A & Constitution of Plant at a 2 2 2			
For good and valuable consideration the second	Attorney Docket No.: 8948P097			
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undereigned, <u>Jia Min CHIN, Jin YANG, Han Yang TAN, Yin Ngai SUM, and Slok Wei TAY</u>				
hereby sell, assign, and transfer to <u>Agency for Science, Technology and Research</u>				
a <u>agency</u>	and a start of the same of the same			
(Type of Assignee: e.g., corporation, company, partnership, university, et	of <u>SINGAPORE</u>			
having a principal place of business at				
1 Fusionopolis Way, #20-10, Connexis, Singapore, 138632 §	SINGAPORE			
("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled METHOD FOR REGENERATING A USED SORBENT HAVING A GAS ADSORBATE				
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sald patent application also identified as follows (when known	NE .			
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]				
United States Patent Application Number <u>15/305.336</u> /Ill				
and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;				
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, will said Assignee, its successors, assigns, and legal representational applications, utility applications, design applications applications, continuation-applications, continued prosecution applications, continuation-applications, renewal applications, reissue applications, reexal patent applications on any and all said inventions or improvem assignments, powers of attorney, and other papers; communic assigns, and representatives all facts known to the undersigne improvements and the history thereof; and generally assist said	nout charge to, but at the expense of, ves, to carry out in good faith the intent all provisional applications, non-s, divisional applications, continuation in-part applications, substitute minations, extensions, and all other tents; execute all rightful oaths, cate to said Assignee, its successors,			

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covenant with said Assignes, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Date	Signature	
	· Jia Min CHIN	
	Printed/Typed Name	
Date	Signature	
	Jin YANG	
ж 6	Printed/Typed Name	
<u>May</u> , 20 <u>[</u>		
Date/	Signature	
	Han Yang TAN	
	Printed/Typed Name	
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	Yin Ngai SUM Printed/Typed Name	
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	Slok Wel TAY	
	Printed/Typed Name	
	Assistant Openment Return Address: BLAKELY, BONCLOFF, TAYLOR & ZAFMAN LLP 1278 Celonesco Perhwey Burnyyels, CA \$4085-4040 (408) 720-4300	

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ASSIGNMENT OF PATENT APPLICATION	And a secretary the second			
For coord and valuable considerable at	Attorney Docket No.: 8848P097			
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, <u>Jia Min CHIN, Jin YANG, Han Yang TAN, Yin Ngai SUM, and Sick Wel TAY</u>				
hereby sell, assign, and transfer to <u>Agency for Science, T</u>	echnology and Research			
a <u>agency</u>	of _SINGAPORE			
(Type of Assignee: e.g., corporation, company, partnership, university, el	ic.)			
having a principal place of business at				
1 Fusionopolis Way, #20-10, Connexis, Singapore, 138632	SINGAPORE			
("Assignee"), and its successors, assigns, and legal represe for the United States and all foreign countries, in and to any are disclosed in the application (provisional or non-provisionathe non-provisional application may have a declaration execute non-provisional application application (provisional or non-provisional or non-provisi	ntatives, the entire right, title, and interest and all inventions or improvements that al) for the United States patent which for uted by the undersigned prior hereto or			
ADSORBED THERETO				
sald patent application also identified as follows (when know	77);			
[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]				
United States Patent Application Number <u>15/305,336</u> fil	ed <u>October 19 , 2016</u>			
and in and to said application (provisional or non-provisional) provisional applications, utility applications, design application applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexipatent applications that have been or shall be filed in the Unit of said inventions or improvements; and in and to all original postificates, and extensions, that have been or shall be issued countries on said inventions or improvements; and in and to a of said United States application;	ns, divisional applications, continuation n-in-part applications, substitute aminations, extensions, and all other ted States and all foreign countries on any patents, reissued patents, reexamination			
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, wit said Assignee, its successors, assigns, and legal representational applications, assigns, and legal representation and purpose of this Assignment, the undersigned will execute provisional applications, utility applications, design application applications, continued prosecution applications, continuation applications, renewal applications, relessue applications, reexapatent applications on any and all said inventions or improven assignments, powers of attorney, and other papers; communications, and representatives all facts known to the undersignation applications and the history thereof; and generally assist sa	inout charge to, but at the expense of, lives, to carry out in good faith the intent all provisional applications, non- is, divisional applications, continuation - in-part applications, substitute  iminations, extensions, and all other  nents; execute all rightful oaths,  cate to said Assignee, its successors,			

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covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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	Each invento	r: Please S	ign <u>and Date</u> Below:	
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	Date	1) and animomy	Signature	
			Jia Min CHIN	
			Printed/Typed Name	
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	Date		Signature	
			Jin YANG	
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			Hen Yang TAN Printed/Typed Name	
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	Date		Signature	
			Slok Wei TAY	
			Printed/Typed Name	
			Assignment Document Return Address:	
			BLAKELY, BONOLOFF, TAYLOR & ZAFMAN LLP 1879 Oakmeed Perkway	
			Sunnyvale, CA 94085-4040	
			(408) 720-8300	
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WOOMMINICIAL OF LWICIAL WILL TIOWING	Attorney Docket No.: 8948P097
For good and valuable consideration, the receipt and acknowledged, I/we, the undersigned, <u>Jia Min CHIN, Jin YAI</u> and Sick Wel TAY	NG, Han Yeng TAN, Yin Ngai SUM,
hereby sell, assign, and transfer to <u>Agency for Science, To</u>	echnology and Research
a <u>agency</u> (Typa of Assignes: e.g., corporation, company, partnership, university, et	of <u>SINGAPORE</u>
having a principal place of business at	
1 Fusionopolis Way. #20-10, Connexis, Singapore, 138632 8	
("Assignee"), and its successors, assigns, and legal represer for the United States and all foreign countries, in and to any a are disclosed in the application (provisional or non-provisional the non-provisional application may have a declaration execution on the non-provisional application application (provisional or non-provisional or non-provisional or non-provisional application (provisional application (provisional application (provisional application application application (provisional application application application application application (provisional application app	and all inventions or improvements that  all for the United States patent which for  uted by the undersigned prior hereto or  on-provisional is aptitled
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[i/we hereby authorize an attorney or agent for said A number and filing date of eakl patent application where	n known.]
United States Patent Application Number15/305,336f	
and in and to said application (provisional or non-provisional) provisional applications, utility applications, design application applications, continued prosecution applications, continuation applications, renewal applications, reissue applications, reexapatent applications that have been or shall be filled in the Unit of said inventions or improvements; and in and to all original procedures, and extensions, that have been or shall be issued countries on said inventions or improvements; and in and to a of said United States application;	ns, divisional applications, continuation i-in-part applications, substitute aminations, extensions, and all other ed States and all foreign countries on any patents, reissued patents, reexamination if in the I lotted States and all foreign
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, with said Assignee, its successore, assigns, and legal representation and purpose of this Assignment, the undersigned will execute provisional applications, utility applications, design applications applications, continued prosecution applications, continued prosecution applications, continued prosecution applications, reexa patent applications on any and all said inventions or improven assignments, powers of attorney, and other papers; communications, and representatives all facts known to the undersigned improvements and the history thereof; and generally assist said	hout charge to, but at the expense of, ives, to carry out in good faith the intent all provisional applications, nonse, divisional applications, continuation in-part applications, substitute iminations, extensions, and all other tents; execute all rightful oaths, cate to said Assignee, its successors, and relating to said inventions or

PATENT REEL: 043731 FRAME: 0692

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

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Date	Signature	
	· Jia Min CHIN	
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Date	Signature	
	Jin YANG	
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Date	Signature	
	Han Yang TAN	
	Printed/Typed Name	
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Date	Signature	
	Yin Ngal SUM	
	Printed/Typed Name	
15 2017	JAN .	
Date	Signature	
	Slok Wei TAY	
	Printed/Typed Name	
	Assisoment <u>Ducument Heituri, Address:</u> BLAKELY, SOKOLOFF, TAYLON & ZAFMAN LLP 1279 Gekinesd Parkway Sunnyvale, CA 94085-4040	
	(408) 720-8300	

PATENT REEL: 043731 FRAME: 0693

ASSIGNMENT OF PATENT APPLICATION	Attorney Docket No.; 8948P097
For good and valuable consideration, the receipt and acknowledged, I/we, the undersigned, Jia Min CHIN, Jin YA and Siok Wei TAY	d sufficiency of which is hereby
hereby sell, assign, and transfer to <u>Agency for Science.</u>	Sechnology and Research
a <u>agency</u> (Type of Assignee: e.g., corporation, company, partnership, university, e	of <u>Singapore</u> ,
having a principal place of business at	*
1 Fusionopolis Way, #20-10, Connexis, Singapore, 138632	SINGAPORE
("Assignee"), and its successors, assigns, and legal repress for the United States and all foreign countries, in and to any are disclosed in the application (provisional or non-provision the non-provisional application may have a declaration exec concurrently herewith and which application (provisional or a METHOD FOR REGENERATING A USED SORBENT HAY	and all inventions or improvements that itsi) for the United States patent which for outed by the undersigned prior hereto or non-provisional) is entitled
ADSORBED THERETO	
sald patent application also identified as follows (when know	Vn);
[I/we hereby authorize an attorney or agent for said number and filing date of said patent application who	Assignee to insert below the application en known.]
United States Patent Application Number15/305,336t	illed <u>October 19 . 2016</u>
and in and to said application (provisional or non-provisional provisional applications, utility applications, design applications applications, continued prosecution applications, continued prosecution applications, continued applications, release applications, release applications in that have been or shall be filed in the Union of said inventions or improvements; and in and to all original certificates, and extensions, that have been or shall be issued countries on said inventions or improvements; and in and to of said United States application;	ons, divisional applications, continuation on-in-part applications, substitute xaminations, extensions, and all other lited States and all foreign countries on any patents, reissued patents, reexamination od in the United States and all foreign
agree that said Assignee may apply for and receive a improvements in its own name; and that, when requested, we said Assignee, its successors, assigns, and legal represents and purpose of this Assignment, the undersigned will execut provisional applications, utility applications, design applications applications, continued prosecution applications, continuation applications, renewal applications, relessue applications, reexpatent applications on any and all said inventions or improve assignments, powers of attorney, and other papers; communications, and representatives all facts known to the undersign improvements and the history thereof; and generally assist a	rithout charge to, but at the expense of, attives, to carry out in good faith the intent its all provisional applications, non- ons, divisional applications, continuation in-in-part applications, substitute carninations, extensions, and all other aments; execute all rightful oaths, nicate to said Assignee, its successors, ned relating to said inventions or

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covenant with said Assignee, its successors, assigne, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each inventor: Please :	Sign <u>and Date</u> Below:	
26 Septomb2017		
Date	Signature	
	NO - 0 - 00 - 00 A 50 A 5	
	· Jia Min CHIN	
	Printed/Typed Name	
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Date	Signature	
	Jin YANG	
	Printed/Typed Name	
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	Han Yang TAN	
	Printed/Typed Name	
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Date	Signature	
	Yin Ngai SUM	
	Printed/Typed Name	
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Date	Signature	
Francis Con.	Jan 1.35 t 7 nov 8 op 1.00.	
	Siok Wei TAY	
	Printed/Typed Name	
	Assignment Document Return Address:	
	Blakely, Bokoloff, Taylor & Zafman Llp	
	1279 Oakmead Perkway Sunnyvsia, CA 94085-4040	
	(408) 720-6900	
	. 2 .	Rev 1/08/2010

PATENT REEL: 043731 FRAME: 0695

RECORDED: 09/28/2017