To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) beto 1. Name of conveying party(ies) QU, Minghal; SWN, Songliang; LUO, Guangliang; LUO, Construction Date(s); Street Address: Country: LUO, HOUSTON Street Address; LUO, Confirmatory License Country: LUO, HOUSTON Liperatory <td< th=""><th>Form PTO-1595 (Recoided of the contract of the cost of</th><th></th><th>18/2011 631135</th><th>EPARTMENT OF COMMER</th></td<>	Form PTO-1595 (Recoided of the contract of the cost of		18/2011 631135	EPARTMENT OF COMMER
GU, Minghai; SUN, Songilang; Name:	To the Director of the U.S. Patent and Trademark	Office: Please	record the attached doci	uments or the new address(es) below
SUN, Songliang: LUO, Guangliang Internal Address: Additional name(s) of conveying party(ies) attached? Yes X No Street Address: Street Address: THREE RIVERWAY, SUITE 300 X. Nature of conveyance/Execution Date(s): Street Address: THREE RIVERWAY, SUITE 300 X. Asture of conveyance/Execution Date(s): Street Address: THREE RIVERWAY, SUITE 300 X. Asture of conveyance/Execution Date(s): Street Address: THREE RIVERWAY, SUITE 300 X. Asture of conveyance/Execution Date(s): Change of Name Street Address: THREE RIVERWAY, SUITE 300 Joint Research Agreement Change of Name State: TEXAS Country: USA Zip: 77056 A. Application or patent number(s): This document is being filed together with a new applic A. Patent Application No.(s) B. Patent No.(s) B. Patent No.(s) 12/994,851 Additional numbers attached? Yes No Street Address: P.O. Box 341426 Total fee (37 CFR 1.21(h) & 3.41) \$40 Internal Address: P.O. Box 341426 Xuthorized to be charged to deposit accoun Street Address: P.O. Box 341426 Deposit Account Number Songa20 State:	1. Name of conveying party(ies)			
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Security Agreement Change of Name Joint Research Agreement State: TEXAS Government Interest Assignment State: TEXAS Other Additional name(s) & address(es) attached? Yes A Application or patent number(s): Additional name(s) & address(es) attached? Yes A. Patent Application No.(s) B. Patent No.(s) B. Patent No.(s) 12/994.851 Concerning document should be mailed: S. Total number of applications and patents involved: 1 Name: Kening LI, PINSENT MASONS LLP F. Total fee (37 CFR 1.21(h) & 3.41) \$40 F. Total fee (37 CFR 1.21(h) & 3.41) \$40 Internal Address: c/o PM-IP USA, LLC Xuthorized to be charged to deposit accoun Enclosed Street Address: p. o. Box 341426 None required (government interest not affecting at the second secon	Execution Date(s)05-23-2011; 01- 10-2011; 01-07- 20	011		
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Lexecutive Order 9424, Contirmatory License Other Other Application or patent number(s): A. Patent Application No.(s) 12/994,851 Additional numbers attached? Yes Name and address to whom correspondence concerning document should be mailed: Name: Name: Kening LI, PINSENT MASONS LLP Internal Address: Color PM-IP USA, LLC Xauthorized to be charged to deposit accoun Enclosed None required (government interest not affecting to be charged to deposit accoun Street Address: Zip: 20827 Phone Number: 202-560-1916 Fax Number: 208-21-63292696 Email Address: kening Ll/ Bayment Information Authorized User Name kening Ll Bay:18/2011 Magust 11, 2011 Signature /Kening Ll/ Bay18/2011	Government Interest Assignment		0	7'
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	4. Application or patent number(s): A. Patent Application No.(s) 12/994,851 Additional 5. Name and address to whom correspond concerning document should be mailed: Name: Kening Li, PINSENT MASONS LLP Internal Address: c/o PM-IP USA, LLC Street Address: P. O. Box 341426 City: West Bethesda State: Maryland Zip: 20827 Phone Number: 202-560-1916 Fax Number: 0086-21-63292696 Email Address: kening.li@pinsentmasons.com 9. Signature: //Ke	A numbers attaction of the second sec	becument is being file B. Patent No.(s) and? Yes No b. Total number of nvolved: 1 7. Total fee (37 CFI Authorized to b Enclosed None required 8. Payment Inform	ed together with a new applications and patents applications and patents R 1.21(h) & 3.41) \$40 e charged to deposit account (government interest not affecting nation Int Number _504930 Ser Name_Kening Li

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

> PATENT REEL: 026790 FRAME: 0390

12994851

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Minghai GU, Songliang SUN and Guangliang LUO (hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in A HRSG FOR FLUIDIZED GASIFICATION, as set forth in United States Patent Application No. 12/994,851 filed on November 27, 2010.

WHEREAS, SYNTHESIS ENERGY SYSTEMS, INC., a corporation, organized under and pursuant to the laws of United States of America, having their principal place of business at Three Riverway, Suite 300 Houston, TX 77056 (hereinafter referred to as Assignee), are 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 of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same is unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, their successors, legal representatives and assigns, that Assignor will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, their successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to

PATENT REEL: 026790 FRAME: 0391

interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, their successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Pinsent Masons, LLP

C/O PM-IP USA, LLC

All practitioners at Customer Number 69219

Date	Signature of Inventor	(Signature of Witness)
2011-5-23 _	Minghai GU (X 5-3) Printed name of Inventor	Printed name of Witnes
,		
Date	Signature of Inventor	(Signature of Witness)
1	Songliang SUN	
,	Printed name of Inventor	Printed name of Witnes
Date	Signature of Inventor	(Signature of Witness)
	Guangliang LUO Printed name of Inventor	Printed name of Witnes
Printed name of	Witness	
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PATENT REEL: 026790 FRAME: 0392

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Minghai GU, Songliang SUN and Guangliang LUO (hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in A HRSG FOR FLUIDIZED GASIFICATION, as set forth in United States Patent Application No. 12/994,851 filed on November 27, 2010.

WHEREAS, SYNTHESIS ENERGY SYSTEMS, INC., a corporation, organized under and pursuant to the laws of United States of America, having their principal place of business at Three Riverway, Suite 300 Houston, TX 77056 (hereinafter referred to as Assignee), are 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 of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same is unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, their successors, legal representatives and assigns, that Assignor will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, their successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent for said inventions in any country, including but not

PATENT REEL: 026790 FRAME: 0393

limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, their successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Pinsent Masons, LLP

C/O PM-IP USA, LLC

All practitioners at Customer Number 69219

(Signature of Witness) Date Signature of Inventor Minghai GU Printed name of Witness Printed name of Inventor るみちら民 2011.1.10. (Signature of Witness) Signature of Inventor Date Songliang SUN Printed name of Witness Printed name of Inventor (Signature of Witness) Signature of Inventor Date **Guangliang LUO** Printed name of Witness Printed name of Inventor

Printed name of Witness

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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made by Minghai GU, Songliang SUN and Guangliang LUO (hereinafter referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in A HRSG FOR FLUIDIZED GASIFICATION, as set forth in United States Patent Application No. 12/994,851 filed on November 27, 2010.

WHEREAS, SYNTHESIS ENERGY SYSTEMS, INC., a corporation, organized under and pursuant to the laws of United States of America, having their principal place of business at Three Riverway, Suite 300 Houston, TX 77056 (hereinafter referred to as Assignee), are 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 of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same is unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, their successors, legal representatives and assigns, that Assignor will 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 any Letters Patent and applications for Letters Patent for said inventions; without charge to Assignee, their successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, their successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Pinsent Masons, LLP

C/O PM-IP USA, LLC

All practitioners at Customer Number 69219

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	Minghai GU	
	Printed name of Inventor	Printed name of Witness
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Date	Signature of Inventor	(Signature of Witness)
	Songliang SUN	
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Date	Signature of Inventor	(Signature of Witness)
	Guangliang LUO	
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RECORDED: 08/18/2011