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| Street Address: 60 Admiralty Road West   | Hwee Hong Chew   | Internal Address:  |  |
| Street Address: 60 Admiralty Road West   | Additional manages of annual in the state of the Control of the Co |  |  |
| Execution Date(s)_tuly 24, 2012    Assignment  |  | Street Address: 60 Admirally Road West                                   |  |
| Assignment   | •  |  |  |
| Security Agreement   |  |  |  |
| Joint Research Agreement   |  | City: Singapore  |  |
| Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  4. Application or patent number(s):  A. Patent Application No.(s)  13/583,582  Additional numbers attached?  Yes  No  5. Name and address to whom correspondence concerning document should be mailed:  Name. Wendy K. March  Internal Address: Suite 1600  Street Address: Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  State: lowa  Zip50309  Phone Number £15-645-6502  Docket Number LISP/2012/65191  Email Address: wkmarsh@nyemaster.com  Country: Singapore  Zip759968  Additional name(s) & address(s) statached?  Yes  No  S. This document is being filed together with a new application B. Patent No.(s)  S. Total number of applications and patents involved: 1  7. Total fae (37 CFR 1.21(h) & 3.41) \$40  X Authorized to be charged to deposit account Enclosed None required (government Interest not affecting B. Payment Information  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  Proprint Information  State: Involved: 1  Authorized User Name Wendy K. Marsh  Proposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  |  | State:   |  |
| Executive Order 9424, Confirmatory License  Other  | A CONTRACTOR OF THE PROPERTY O |  |  |
| Additional name(s) & address(es) attached? Yes  4. Application or patent number(s):  A. Patent Application No.(s)  13/583,582  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name-Wendy K. March  Internal Address: Suita 1600  Street Address: 700 Walnut Street  City: Des Moines  State:lowa Zip50309  Phone Number:15-645-6502  Docket Number:15-645-6502  | Construction   | Country: Singapore Zip 759958  |  |
| A. Application or patent number(s):  A. Patent Application No.(s)  13/583, 582  Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name Wendy K. Marsh  Internal Address: Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  State: lowa Zip50309  Phone Number: \$15-645-6502  Docket Number: \$15-645-6502  Authorized User Name Wendy K. Marsh  Authorized User Name Wendy K. Marsh  9. Signature:  Avendy k. marsh/  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh   |  | Additional name(s) & address(es) attached? Yes No                        |  |
| Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name-Wendy K. March Internal Address: Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  State: Iowa Zip50309  Phone Number: \$15-645-6502  Docket Number: \$15-645-6502  Docke | 4. Application or patent number(s):  | (A)                                  |  |
| Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name Wendy K. Mareh  Internal Address Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  City: Des Moines  State: Iowa Zip50309  Phone Number 515-645-6602  Docket Number 1575-645-6602   | A. Patent Application No.(s)   | B, Patent No.(s)   |  |
| Additional numbers attached? Yes No  5. Name and address to whom correspondence concerning document should be mailed:  Name Wendy K. Mareh  Internal Address Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  City: Des Moines  State: Iowa Zip50309  Phone Number 515-645-6602  Docket Number 1575-645-6602   | 13/583,582   |  |  |
| 5. Name and address to whom correspondence concerning document should be mailed:  Name.Wendy K. Mareh  Internal Address:Suita 1600  Street Address:700 Walnut Street  City: Des Moines  City: Des Moines  State:lowa Zip50309  Phone Number:S15-645-6502  Docket Number:USP/2012/65191  Emait Address: wkmarsh@nyemaster.com  6. Total number of applications and patonts involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$40   Authorized to be charged to deposit account □ Enclosed □ None required (government Interest not affecting  8. Payment Information  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  9. Signature: //wendy k. mersh// 109/07/12  | . ,  |  |  |
| Name:Wendy K. Marsh Internal Address:Suite 1600 Internal Address: 700 Walnut Street  Street Address: 700 Walnut Street  City: Des Moines State:lowa Phone Number: 515-645-6602 Docket Number: 159-645-6602 Docket Number: 159-645-6502 Emait Address: wkmarsh@nyemaster.com  Involved: 1  7. Total fae (37 CFR 1.21(h) & 3.41) \$40  Authorized to be charged to deposit account Enclosed None required (government Interest not affecting 8. Payment Information  Deposit Account Number 50-4786 Authorized User Name: Wendy K. Marsh  9. Signature:  //wendy k. marsh//  | Additional numbers at  | lached? Yes No   |  |
| Name Wendy K. Marsh Internal Address Suite 1600  Street Address: 700 Walnut Street  City: Des Moines  City: Des Moines  State: lowa  Zip 50309  Phone Number 15-645-6502  Docket Number 125P/2012/65191  Emait Address: wkmarsh@nyemaster.com  7. Total fae (37 CFR 1.21(h) & 3.41) \$40   Authorized to be charged to deposit account  Enclosed  None required (government Interest not affecting  8. Payment Information  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  9. Signature: /wendy k. marsh/  |  |  |  |
| Internal Address:Suite 1600  Street Address:700 Walnut Street  City: Des Moines  State:lowa  Zip50309  Phone Number:515-645-6502  Docket Number:USP/2012/65191  Emait Address: wkmarsh@nyemaster.com  Authorized to be charged to deposit account  Enclosed  None required (government Interest not affecting  8. Payment Information  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  9. Signature:  | <del>-</del>   | involved: 1  |  |
| Authorized to be charged to deposit account  Enclosed None required (government Interest not affecting  State:lowa Zip50309  Phone Number:s15-645-6602 Docket Number:usp/2012/65191 Emait Address: wkmarsh@nyemaster.com  Authorized to be charged to deposit account None required (government Interest not affecting  8. Payment Information  Deposit Account Number 50-4786 Authorized User Name Wendy K. Marsh  9. Signature:  /wendy k. mersh/  | NametWendy K. Marsh  | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40                                |  |
| Street Address: 700 Walnut Street    Street Address: 700 Walnut Street   Enclosed     None required (government Interest not affecting     State:lowa  | Internal Address:Suite 1600  |  |  |
| City: Des Moines  State: lowa Zip50309  Phone Number: \$15-645-6602  Docket Number: \(\omega:\text{Des Moines}\)  Email Address: \(\omega:\text{wkmarsh@nyemaster.com}\)  None required (government Interest not affecting 6. Payment Information  Deposit Account Number 50-4786  Authorized User Name Wendy K. Marsh  09/07/12   |  | Authorized to be charged to deposit account                              |  |
| City: Des Moines  State:lowa Zip50309  Phone Number: \$15-645-6502  Docket Number: \(\omegap \) \  | Street Address:700 Walnut Street   |  |  |
| State:lowa Zip50309  Phone Number:515-645-6602  Docket Number:usp/2012/65191  Email Address: wkmarsh@nyemaster.com  9. Signaturo:  /wendy k. marsh/  |  | None required (government Interest not affecting title)                  |  |
| Phone Number: \$15-645-6602  Docket Number: \(\text{LSP/2012/65191}\)  Email Address: \(\text{wkmarsh@nyemaster.com}\)  9. Signature:    Deposit Account Number   \(\text{50-4786}\)  Authorized User Name \(\text{Wendy K. Marsh}\)  09/07/12   | City: Des Moines   | 8. Payment Information   |  |
| Deposit Account Number 50-4785  Email Address: wkmarsh@nyemaster.com  Authorized User Name Wendy K. Marsh  9. Signaturo: /wendy k. marsh/  | State:lowa Zip50309  |  |  |
| Docket Number:usF/2012/65191  Email Address: wkmarsh@nyemaster.com  9. Signaturo:  /wendy k. marsh/  Docket Number:usF/2012/65191  Authorized User Name Wendy K. Marsh  09/07/12   | Phone Number \$15-645-6502   | Donasit Annaugt North as 50 4700   |  |
| ### Email Address: wkmarsh@nyemaster.com  9. Signaturo: /wendy k. marsh/ 09/07/12  | Docket Number:usr/2012/65191   |  |  |
| MACHINA V. (Midigli)   | Email Address: wkmarsh@nyemaster.com   | Authorized User Name Wendy K. Marsh                                      |  |
| 7370104734 1104-11   | 9. Signature: /wandy k march/  | 09/07/12   |  |
| Signature Date   | MOUNTA V. INCIDEN  |  |  |
|  |  |  |  |
| Name of Person Signing sheet, attachments, and documents:  Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:   |  | Business constants in the second   |  |
| Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450  | Mail Stop Assignment Recordation Services, Director of   | of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1460                  |  |

**PATENT REEL: 029072 FRAME: 0929** 

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|  | Name: Ecospec Global Technology Pte Ltd.                                   |
| Hwee Hong Chew   | Internal Address:  |
| Additional name(s) of conveying party(les) attached? Yes N   | io   |
| 3. Nature of conveyance/Execution Date(s):   | Street Address: 60 Admirally Road West                                     |
| Execution Date(s) July 24, 2012  |  |
| Assignment Merger  |  |
| Security Agreement Change of Name  | City:  |
| Joint Research Agreement   | State:   |
| Government Interest Assignment   | Country: Singapore Zip 759958  |
| Executive Order 9424, Confirmatory License   |  |
| Other  | Additional name(s) & address(es) attached? Yes No                          |
|  | s document is being filed together with a new application.                 |
| A. Patent Application No.(s)   | В. Patent No.(s)   |
| 13/583582  |  |
| Additional numbers   |  |
| Name and address to whom correspondence concerning document should be mailed:  | 6. Total number of applications and patents Involved: 1                    |
| Name:Wendy K. Marsh  | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40                                  |
| Internal Address Suite 1600  | _  |
|  | Authorized to be charged to deposit account                                |
| Street Address:700 Watnut Street   | Enclosed   |
|  | None required (government interest not affecting title)                    |
| City: Des Moines   | 8. Payment information   |
| State:lowa Zip50309  |  |
| Phone Number 515-645-5502  | Samuel Angoust Number 504788   |
| Docket NumberusP/2012/65191  | Deposit Account Number 50-4786   |
| Email Address: wkmarsh@nyemaster.com   | Authorized User Name Wondy K. Marsh 194706 1.5                             |
|  | 01 FC:8021 49,89,119   |
| 9. Signature: /wendy k. marel<br>Signature   | Date   |
| Wendy K. Marsh   | Total number of pages including cover 1 sheet, attachments, and documents: |
| Name of Person Signing   | theat) should be faxed to (571) 273-0140, or mailed to:                    |

PATENT REEL: 029072 FRAME: 0930 PTC/SE/95 (07-05)
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| STATEMENT UNDER 37 CFR 3.73(b)   |
|--|
| Applicant/Patent Owner: CHEW, Hwee Hong  |
| Application No./Patent No.; Filed/Issue Date:  |
| Titled: METHODS AND SYSTEM FOR REMOVING GAS COMPONENTS FROM FLUE GAS   |
| ECOSPEC GLOBAL TECHNOLOGY PTE LTD. , a local limited company   |
| (Nems of Assignes) (Type of Assignes, e.g., corporation, partnership, university, government agency, etc.  |
| states that it is:   |
| 1. X the assigned of the entire right, title, and interest in:   |
| 2. an assigned of less than the entire right, title, and interest in  (The extent (by percentage) of its ownership interest is   |
| 3. In the assignce of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)  |
| the patent application/patent identified above, by virtue of either.   |
| An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Real, Frame, or for which a copy therefore is attached.    |
| DR  B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:   |
| B. A chain of title from the inventorial, of the patent application patent to the To:  |
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| Additional documents in the chain of title are listed on a supplemental sheet(s).  |
| As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignes was or concurrently to being, submitted for recordation pursuant to 37 CFR 3.11.                     |
| [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08] |
| The understand (whose little is surfalled below) is authorized to act on behalf of the accignes.   |
| Date 24 54/9 20/2  |
| CHEW, Hwee Hong Managing Director  |
| CHEW, Hwee Hong  Printed or Typed Name  Title  |

This coffection of information is required by 37 CFR 3,73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 Lt.8.C. 122 and 37 CFR 1.11 and 1.14. This coffection is astimuted to take 12 menutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. The utility of the use of the complete of the use of the use of the use of the complete of the complete in the use of the use of

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