PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| Michael Roger Czerniak | 09/22/2010 |
| Gareth David Stanton | 09/09/2010 |

RECEIVING PARTY DATA

| Name: | EDWARDS LIMITED | |
|-------------------|--------------------------|--|
| Street Address: | Crawley Business Quarter | |
| Internal Address: | Manor Royal | |
| City: | Crawley, West Sussex | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | RH10 9LW | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13143708 |

CORRESPONDENCE DATA

Fax Number: (408)654-9493

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-496-1177 x2222

Email: loretta.sandoval@edwardsvacuum.com

Correspondent Name: Ting-Mao Chao

Address Line 1: 2041 Mission College Blvd., Ste. 260

Address Line 2: EDWARDS VACUUM, INC.
Address Line 4: Santa Clara, CALIFORNIA 95054

| ATTORNEY DOCKET NUMBER: | M08B103 |
|-------------------------|---------|
| | |

NAME OF SUBMITTER: Ting-Mao Chao

Total Attachments: 4

source=M08B103US_Assignment#page1.tif source=M08B103US_Assignment#page2.tif source=M08B103US_Assignment#page3.tif source=M08B103US_Assignment#page4.tif

> PATENT REEL: 026557 FRAME: 0836

CH \$40.00 131437

ASSIGNMENT

WHEREAS, I/We, Michael Roger Czerniak, a citizen of the United Kingdom, residing at 53 Waterloo Road, Wellington, Somerset, TA21 8HU, United Kingdom and Gareth David Stanton, a citizen of the United Kingdom, residing at 46 Kingston Avenue, Clevedon, Avon, BS21 6DZ, United Kingdom have invented certain new and useful improvements in METHOD OF TREATING AN EXHAUST GAS STREAM for which I/We have made application for Letters Patent of the United States on even dates herewith and claims priority from International Application No. PCT/GB2010/050087, filed January 21, 2010, which application claims priority from United Kingdom Application No. GB 0902234.4 filed February 11, 2009; and,

WHEREAS, Edwards Limited, an English Company of Crawley Business Quarter, Manor Royal, Crawley, West Sussex, RH10 9LW, United Kingdom, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Michael Roger Czerniak and Gareth David Stanton have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Edwards Limited, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Edwards Limited, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 026557 FRAME: 0837

Dkt. No. M08B103 Page 2 of 2

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said Edwards Limited, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said Edwards Limited, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

| <u>Date</u> | Assignor | Witnessed By: |
|-------------------------------|----------------------|---|
| <u> 2019 118</u> 9/22/2010 | Man Roger Gerniak | Jayo Snevoh At: 12:10pm Edwards, Clevedon |
| | Gareth David Stanton | At: |

PATENT REEL: 026557 FRAME: 0838

ASSIGNMENT

WHEREAS, I/We, Michael Roger Czerniak, a citizen of the United Kingdom, residing at 53 Waterloo Road, Wellington, Somerset, TA21 8HU, United Kingdom and Gareth David Stanton, a citizen of the United Kingdom, residing at 46 Kingston Avenue, Clevedon, Avon, BS21 6DZ, United Kingdom have invented certain new and useful improvements in METHOD OF TREATING AN EXHAUST GAS STREAM for which I/We have made application for Letters Patent of the United States on even dates herewith and claims priority from International Application No. PCT/GB2010/050087, filed January 21, 2010, which application claims priority from United Kingdom Application No. GB 0902234.4 filed February 11, 2009; and,

WHEREAS, Edwards Limited, an English Company of Crawley Business Quarter, Manor Royal, Crawley, West Sussex, RH10 9LW, United Kingdom, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Michael Roger Czerniak and Gareth David Stanton have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Edwards Limited, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Edwards Limited, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

PATENT REEL: 026557 FRAME: 0839

Dkt. No. M08B103 Page 2 of 2

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said Edwards Limited, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said Edwards Limited, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

| Date | <u>Assignor</u> | Witnessed By: |
|----------|------------------------|--|
| | Michael Roger Czerniak | At: |
| 09/09/10 | Gareth David Stanton | Sergey Vononin Coz At: Edwards CLEVEDON AVON UK. |

PATENT REEL: 026557 FRAME: 0840

RECORDED: 07/07/2011