#### PATENT ASSIGNMENT

### Electronic Version v1.1 Stylesheet Version v1.1

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

#### **CONVEYING PARTY DATA**

| Name               | Execution Date |
|--------------------|----------------|
| Goetz BAUMGARTEN   | 10/20/2008     |
| Martin ROOS        | 10/14/2008     |
| Stephan SCHAEFLEIN | 10/16/2008     |
| Rolf AUGENSTEIN    | 10/14/2008     |

#### **RECEIVING PARTY DATA**

| Name:           | Evonik Degussa GmbH        |  |
|-----------------|----------------------------|--|
| Street Address: | Rellinghauser Strasse 1-11 |  |
| City:           | Essen                      |  |
| State/Country:  | tate/Country: Germany      |  |
| Postal Code:    | 45128                      |  |

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

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 12207169 |  |

#### **CORRESPONDENCE DATA**

Fax Number: (703)413-2220

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

Phone: (703) 413-3000

Email: Mchanthaphone@oblon.com

Correspondent Name: Oblon, Spivak, et al.

Address Line 1: 1940 Duke Street

Address Line 4: Alexandria, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 331824US0

NAME OF SUBMITTER: Vesna Bojanic

Total Attachments: 8

source=331824USASSIGNMENT#page1.tif

PATENT REEL: 026763 FRAME: 0135 OF \$40.00 1220/169

501628863

source=331824USASSIGNMENT#page2.tif source=331824USASSIGNMENT#page3.tif source=331824USASSIGNMENT#page4.tif source=331824USASSIGNMENT#page5.tif source=331824USASSIGNMENT#page6.tif source=331824USASSIGNMENT#page7.tif source=331824USASSIGNMENT#page8.tif

2008P00 300US

Page 1 of 2

Docket No. 331824US0

### Assignment of Application

| insert Names   | WHEREAS, I (WE)  |
|--|--|
| AND RESIDENCE<br>ADDRESS OF<br>THE INVENTORS:        | Goetz Baumgarten, Reinhard-Freericks-Str. 20, 45721 Haltern am See, Germany;   |
|  | Martin Roos, Brinkweg 5d, 45721 Haltern am See, Germany;   |
|  | Stephan Schaeflein, Johannes-Grueter-Str. 57, 45721 Haltern am Scc, Germany; and   |
|  | Rolf Augenstein, Sauerlandstr. 30, 45770 Marl, Germany.  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| insert title op<br>invention;                        | have invented certain new and useful improvements in: Reaktor mit Titansilikat-Rezyklicrung  |
|  | (Application No. 12/207,169 , filed September 9, 2008 ), and   |
|  | WHEREAS, Evonik Degussa GmbH   |
| INERRI MAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE | (hereinafter referred to as "ASSIGNEE") having a place of business at: Rellinghauser Strasse 1-11, 45128 Essen, Germany is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;   |
|  | NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which |

for in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustact, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

| Date: 20/10 /2008 |  | <u></u> |
|-------------------|--|---------|
| Date:             | (Signature of Invanior) Goetz Baumgerten   |         |
|                   | (Signature of Inventor) Martin Roos        |         |
| Date:             |  |         |
|                   | (Signature of Inventor) Stephan Schaeflein |         |
| Date:             |  | _       |
|                   | (Signature of Inventor) Rolf Augenstein    |         |
| Date:             |  |         |
|                   | (Signature of Inventor)                    |         |
| Pate:             | (Signature of inventor)                    |         |
|                   | ( G see at the citient)                    |         |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

12/04

2008 00300 US

Page 1 of 2

Docket No. 331824US0

# **Assignment of Application**

| INSERT NAMES                                 | WHEREAS, I (WE)  |                                       |                       |  |                            |
|--|--|---------------------------------------|-----------------------|--|----------------------------|
| AND RESIDENCE<br>ADDRESS OF<br>THE INVENTORS |  | Goetz Baumgarten, Re                  | inhard-Freericks-S    | tr. 20, 45721 Haltern am See, Ge                                     | ermany:                    |
|  |  | Martin Roos, Brinkwe                  | g 5d, 45721 Halten    | n am See, Germany:   |                            |
|  |  | Stephan Schaeflein, Jo                | harmes-Grueter-Str    | . 57, 45721 Haltern am See, Ger                                      | many and                   |
|  |  | Rolf Augenstein, Saue                 | rlandstr. 30, 45770   | Mari, Germany.   | , , wild                   |
|  |  |                                       |                       |  |                            |
|  |  |                                       |                       | · · · · · · · · · · · · · · · · · · ·                                |                            |
|  |  |                                       |                       |  |                            |
|  |  |                                       |                       |  |                            |
|  |  |                                       |                       |  |                            |
|  |  |                                       |                       | <u> </u>   |                            |
|  | <del></del>  | · · · · · · · · · · · · · · · · · · · |                       |  |                            |
|  |  | <del></del>                           |                       |  | ···                        |
|  |  |                                       | <u> </u>              |  |                            |
|  |  | <u> </u>                              |                       |  |                            |
|  |  |                                       |                       |  |                            |
|  |  |                                       |                       |  | , respectively             |
|  | have invented cortain  | n new and week-li                     |                       |  |                            |
| INSERT TITLE OF INVENTION;                   | nate invelted delta.   | ii new and userus impro               | vements in: Keakte    | or mit Titansilikat-Rezyklierung                                     |                            |
|  |  |                                       |                       |  | <del></del>                |
|  | (Application No. 1.  | 2/207,169                             | , filed               | September 9, 2008  | ), and                     |
|  | WHEREAS E  | vonik Degussa GmbH                    |                       |  |                            |
| INSTRY NAME<br>AND ADDRESS OF                |  |                                       |                       |  |                            |
| COMPANY OR<br>OTHER ASSIGNEE                 | (hereinafter referred  | to as "ASSIGNEE")                     | having a place of     | business at: Rellinghauser Stra                                      | SSC 1-11. 45128 Essen      |
|  | (hereinafter referred to as "ASSIGNEE") having a place of business at: Rellinghauser Strasse 1-11, 45128 Essen Germany is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign   |                                       |                       |  |                            |
|  | countries;   | granted therefore in th               | e United States an    | d its territorial possessions and                                    | in any and all foreign     |
| •  | •  |                                       | •                     |  |                            |
|  | NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby  |                                       |                       |  |                            |
|  | ADMINISTRAÇÃO, GUIG TOI OUICE PORO VARIBADA CARCINAZONA I (MACA LA   |                                       |                       |  |                            |
|  | unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which   |                                       |                       |  |                            |
|  | will be killing interested by the United Market and its territorial processions and in one on I all the state of the state |                                       |                       |  |                            |
|  | and to any and all div   | visions, reissues, contin             | uztions, substitution | ns and renewals thereof,   | toreign countries and in   |
|  |  |                                       |                       |  |                            |
|  | and any and all forei  | luthorize and request th              | to Patent Office Of   | ficials in the United States and i                                   | ts territorial possessions |
|  | wasipiec of illy (out)   | CHUIC HYML DUC AND IT                 | OTETECT IN ANA to the | Letters Patent, when granted, to same, for the sole use and behavior |                            |
|  | 100 (1112) 2000023013 2  | wa assiens, to the fun a              | 200 Of the term tax   | Which spid I attore Details  | L                          |
|  | entirely as the same v   | would have been held by               | y me (us) had this A  | Assignment and sale not been ma                                      | de granten, as fully and   |
|  |  |                                       |                       |  |                            |

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

| Date:            |   |
|------------------|---|
| Date: 10/14/2008 | (Signature of Inventor) Goetz Baumgarten  (Signature of Inventor) Martin Boos |
| Date:            | - ,   |
|                  | (Signature of Inventor) Stephan Schaeffein                                    |
| Date:            |   |
|                  | (Signature of Inventor) Rolf Augenstein                                       |
| Date:            |   |
|                  | (Signature of Inventor)   |
| Date:            |   |
|                  | (Signature of Inventor)   |

OBLON, SPIVAK, McCLELLAND, MATER & NEUSTADT, P.C. ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

12/04

2008 200 300 45

Page 1 of 2

Docket No. 331824US0

## **Assignment of Application**

| SHANIT PARKE                                  | WHEREAS, I (WE)   |            |
|---|---|------------|
| AND RESIDENCE<br>ADDRESS OF<br>THE INVENTORS: | Goetz Baumgarten, Reinhard-Freericks-Str. 20, 45721 Haltern am See, Germany;  | _          |
|   | Martin Roos, Brinkweg 5d, 45721 Haltern am See, Germany;  |            |
|   | Stephan Schaeflein, Johannes-Grueter-Str. 57, 45721 Haltern am See, Germany: and  |            |
|   | Rolf Augenstein, Sauerlandstr. 30, 45770 Marl, Germany.   | _          |
|   |   |            |
|   |   |            |
|   |   | _          |
|   |   | _          |
|   |   |            |
|   |   | _          |
|   |   |            |
|   |   | _          |
|   |   |            |
|   |   |            |
|   |   | . 1        |
|   | , respective  | шу         |
| INSERT TITLE OF<br>INVENTION:                 | have invented certain new and useful improvements in: Reaktor mit Titansilikat-Rezyklierung   |            |
|   |   |            |
| •   | (Application No. 12/207,169 , filed September 9, 2008 ), ar   | hr         |
|   | WHEREAS, Evonik Degussa GmbH  |            |
| INSERT NAME<br>AND ADDRESS OF                 |   |            |
| COMPANY OR<br>OTHER ASSIGNEE                  | (hereinafter referred to as "ASSIGNEE") having a place of business at: Rellinghauser Strasse 1-11, 45128 Esse   | m.         |
|   | Germany is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Lette Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.  |            |
|   | countries;  | <u>Z</u> n |
|   | NOW TUCOPPORT   |            |
|   | NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is heret acknowledged, and for other good and valuable consideration, 1 (WE), by these presents do sel., assign and transf  | bу         |
|   | which some respectively, the full still excitive right to the card invention in the finite control of   |            |
|   | POSSOSSIONA AND IN AN ADDRESS COMMITTES AND THE ENTIRE MIGHT fittle and interest in and in any in-  |            |
|   | may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and and to any and all divisions, reissues, continuations, substitutions and renewals thereof.  | in         |
|   |   |            |
|   | I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possession   | ทร         |
|   | and the direction of the state |            |
|   | assignce of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE as its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully are entirely as the same would have been held by ma (nu) had this  | E,         |
|   | entirely as the same would have been held by me (us) had this Assignment and sale not been made.  | ıd         |
|   | -   |            |

12/04

44,0

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

| Date:          |  |
|----------------|--|
|                | (Signature of Inventor) Goetz Baumgarten   |
| Date:          |  |
| Date: 10-16-08 | (Signature of Inventor) Martin Roos        |
| Date:          | (Stenature of Inventor) Stephan Schaeflein |
|                | (Signature of Inventor) Rolf Augenstein    |
| Date:          | ·  |
|                | (Signature of Inventor)                    |
| Date:          |  |
|                | (Signature of Inventor)                    |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

12/04

2008 POO 300 US

Page 1 of 2

Docket No. 331824US0

## **Assignment of Application**

| INSERT NAMES                                   | WHEREAS, I (WE)  |
|--|--|
| AND RESIDENCE<br>ADDRESS OF<br>THE INVENTORS:  | Goetz Baumgarten, Reinhard-Freericks-Str. 20, 45721 Haltern am See, Germany;   |
|  | Martin Roos, Brinkweg 5d, 45721 Haltern am See, Germany;   |
|  | Stephan Schaeflein, Johannes-Grueter-Str. 57, 45721 Haltern am See, Germany; and   |
|  | Rolf Augenstein, Sauerlandstr. 30, 45770 Marl, Germany.  |
|  |  |
|  |  |
|  |  |
| •  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  | , respectively   |
| intery title of<br>invention                   | have invented certain new and useful improvements in: Reaktor mit Titansilikat-Rezyklicrung  |
|  | (Application No. 12/207,169 , filed September 9, 2008 ), and   |
| INSERT NAME                                    | WHEREAS, Evonik Degussa GmbH   |
| AND ADDRESS OF<br>COMPANY ON<br>OTHER ASSIGNEE | (hereinafter referred to as "ASSIGNEE") having a place of business at: Rellinghauser Strasse 1-11, 45128 Essen. Germany is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;   |
|  | NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof. |
|  | I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.  |

12/04

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustait, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

| Date: |   |                         |                    |
|-------|---|-------------------------|--------------------|
|       | *************************************** | (Signature of Inventor) | Goetz Baumgarten   |
| Date: |   |                         |                    |
|       |   | (Signature of Inventor) | Martin Roos        |
| Date: |   |                         |                    |
|       | 4.1 m.                                  | (Signature of Inventor) | Stephan Schaeflein |
| Date: | 14. Okt. 2008                           | Ru                      | du a               |
|       |   | (Signature of Inventor) | Rolf Augenstein    |
| Date: |   |                         |                    |
|       |   | (Signature of Inventor) |                    |
| Date: |   |                         |                    |
|       |   | (Signature of Inventor) |                    |

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW 1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

12/04

PATENT REEL: 026763 FRAME: 0144

**RECORDED: 08/17/2011**