

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3675446

|                                                                                                                                                                                                 |                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                         |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                             |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                        |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                  |
| THOMAS HJERTBERG                                                                                                                                                                                | 11/02/2015                             |
| RAVINDRA TUPE                                                                                                                                                                                   | 10/30/2015                             |
| UDO WAHNER                                                                                                                                                                                      | 11/04/2015                             |
| TANJA PIEL                                                                                                                                                                                      | 11/04/2015                             |
| YI LIU                                                                                                                                                                                          | 11/04/2015                             |
| ALEXANDRA ROMINA ALBUNIA                                                                                                                                                                        | 11/04/2015                             |
| FLORAN PRADES                                                                                                                                                                                   | 11/04/2015                             |
| JOSEPH THORMAN                                                                                                                                                                                  | 11/03/2015                             |
| DUSAN JEREMIC                                                                                                                                                                                   | 11/04/2015                             |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                        |
| <b>Name:</b>                                                                                                                                                                                    | BOREAS AG                              |
| <b>Street Address:</b>                                                                                                                                                                          | IZD TOWER, WAGRAMERSTRASSE 17-19       |
| <b>City:</b>                                                                                                                                                                                    | WIEN                                   |
| <b>State/Country:</b>                                                                                                                                                                           | AUSTRIA                                |
| <b>Postal Code:</b>                                                                                                                                                                             | 1220                                   |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                        |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                          |
| Application Number:                                                                                                                                                                             | 14901948                               |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                        |
| <b>Fax Number:</b>                                                                                                                                                                              | (703)848-2981                          |
| <i>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.</i> |                                        |
| <b>Phone:</b>                                                                                                                                                                                   | 703-584-3275                           |
| <b>Email:</b>                                                                                                                                                                                   | KPREDMORE@RMSCLAW.COM                  |
| <b>Correspondent Name:</b>                                                                                                                                                                      | ROBERTS MLOTKOWSKI SAFRAN & COLE, P.C. |
| <b>Address Line 1:</b>                                                                                                                                                                          | 7918 JONES BRANCH DRIVE                |
| <b>Address Line 2:</b>                                                                                                                                                                          | SUITE 500                              |
| <b>Address Line 4:</b>                                                                                                                                                                          | MCLEAN, VIRGINIA 22102                 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 400056-20033                           |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | MICHAEL J. MLOTKOWSKI                  |

PATENT

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>SIGNATURE:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | /Michael J. Mlotkowski/                                    |
| <b>DATE SIGNED:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12/29/2015                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | This document serves as an Oath/Declaration (37 CFR 1.63). |
| <b>Total Attachments: 12</b><br>source=executed_declaration-assignment#page1.tif<br>source=executed_declaration-assignment#page2.tif<br>source=executed_declaration-assignment#page3.tif<br>source=executed_declaration-assignment#page4.tif<br>source=executed_declaration-assignment#page5.tif<br>source=executed_declaration-assignment#page6.tif<br>source=executed_declaration-assignment#page7.tif<br>source=executed_declaration-assignment#page8.tif<br>source=executed_declaration-assignment#page9.tif<br>source=executed_declaration-assignment#page10.tif<br>source=executed_declaration-assignment#page11.tif<br>source=executed_declaration-assignment#page12.tif |                                                            |

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

**ASSIGNMENT-DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN  
APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Docket No. <b>400056-20033</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                   |
| <b>Title of<br/>Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>MULTISTAGE PROCESS FOR PRODUCING POLYETHYLENE COMPOSITIONS</b> |
| <b>DECLARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                   |
| <p>As a below named inventor, I hereby declare that:</p> <p>This declaration<br/>is directed to:</p> <p><input type="checkbox"/> The attached application, or</p> <p><input checked="" type="checkbox"/> U. S. application or PCT international application number <b>PCT/EP2014/002587</b><br/>filed on <b>September 24, 2014</b></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I have reviewed and understand the contents of the application, including the claims.</p> <p>I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.</p>                                                                                                                                                                                                                                                                                                                   |                                                                   |
| <b>ASSIGNMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                   |
| <p>WHEREAS, the undersigned inventor(s) hereinafter referred to as the ASSIGNOR(S), has/have invented a certain improvement relating to the above identified invention.</p> <p>AND WHEREAS, <b>Borealis AG</b> a corporation organized and existing under the laws of Austria, whose post-office address is <b>IZD Tower, Wagramerstrasse 17-19, 1220 Wien, Austria</b>, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.</p> <p>NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR(S) hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout the world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement</p> |                                                                   |

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

Docket No. **400056-20033**

thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR(S) might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR(S) hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR(S) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

(1) LEGAL NAME OF INVENTOR

Inventor: **Thomas HJERTBERG**

Date

2015-11-02

Signature: 

(2) LEGAL NAME OF INVENTOR

Inventor: **Ravindra TUPE**

Date

Signature: \_\_\_\_\_

(3) LEGAL NAME OF INVENTOR

Inventor: **Udo WAHNER**

Date

Signature: \_\_\_\_\_

(4) LEGAL NAME OF INVENTOR

Inventor: **Tanja PIEL**

Date

Signature: \_\_\_\_\_

(5) LEGAL NAME OF INVENTOR

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

|                                           |            |
|-------------------------------------------|------------|
| Docket No. <b>400056-20033</b>            |            |
| Inventor: <b>Yi LIU</b>                   | Date _____ |
| Signature: _____                          |            |
| (6) LEGAL NAME OF INVENTOR                |            |
| Inventor: <b>Alexandra Romina ALBUNIA</b> | Date _____ |
| Signature: _____                          |            |
| (7) LEGAL NAME OF INVENTOR                |            |
| Inventor: <b>Floran PRADES</b>            | Date _____ |
| Signature: _____                          |            |
| (8) LEGAL NAME OF INVENTOR                |            |
| Inventor: <b>Joseph THORMAN</b>           | Date _____ |
| Signature: _____                          |            |
| (9) LEGAL NAME OF INVENTOR                |            |
| Inventor: <b>Dusan JEREMIC</b>            | Date _____ |
| Signature: _____                          |            |

F/1315/US

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

**ASSIGNMENT-DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN  
APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Docket No. 400056-20033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                   |
| <b>Title of<br/>Invention</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>MULTISTAGE PROCESS FOR PRODUCING POLYETHYLENE COMPOSITIONS</b> |
| <b>DECLARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                   |
| <p>As a below named inventor, I hereby declare that:</p> <p>This declaration<br/>is directed to:</p> <p><input type="checkbox"/> The attached application, or</p> <p><input checked="" type="checkbox"/> U. S. application or PCT international application number PCT/EP2014/002587<br/>filed on <b>September 24, 2014</b></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I have reviewed and understand the contents of the application, including the claims.</p> <p>I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.</p>                                                                                                                                                                                                                                                                                                            |                                                                   |
| <b>ASSIGNMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                   |
| <p>WHEREAS, the undersigned inventor(s) hereinafter referred to as the ASSIGNOR(S), has/have invented a certain improvement relating to the above identified invention.</p> <p>AND WHEREAS, Borealis AG a corporation organized and existing under the laws of Austria, whose post-office address is IZD Tower, Wagramerstrasse 17-19, 1220 Wien, Austria, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.</p> <p>NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR(S) hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout the world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement</p> |                                                                   |

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

Docket No. 400056-20033

thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR(S) might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR(S) hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR(S) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

(1) LEGAL NAME OF INVENTOR

Inventor: Thomas HJERTBERG

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(2) LEGAL NAME OF INVENTOR

Inventor: Ravindra TUPE

Date 30/10/2015

Signature:  \_\_\_\_\_

(3) LEGAL NAME OF INVENTOR

Inventor: Udo WAHNER

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(4) LEGAL NAME OF INVENTOR

Inventor: Tanja PIEL

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(5) LEGAL NAME OF INVENTOR

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

|                                    |            |
|------------------------------------|------------|
| Docket No. 400056-20033            |            |
| Inventor: YI LIU                   | Date _____ |
| Signature: _____                   |            |
| (6) LEGAL NAME OF INVENTOR         |            |
| Inventor: Alexandra Romina ALBUNIA | Date _____ |
| Signature: _____                   |            |
| (7) LEGAL NAME OF INVENTOR         |            |
| Inventor: Florian PRADES           | Date _____ |
| Signature: _____                   |            |
| (8) LEGAL NAME OF INVENTOR         |            |
| Inventor: Joseph THORMAN           | Date _____ |
| Signature: _____                   |            |
| (9) LEGAL NAME OF INVENTOR         |            |
| Inventor: Dusan JEREMIC            | Date _____ |
| Signature: _____                   |            |



Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

**ASSIGNMENT-DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN  
APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Docket No. 400056-20033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                            |
| Title of<br>Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MULTISTAGE PROCESS FOR PRODUCING POLYETHYLENE COMPOSITIONS |
| <b>DECLARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            |
| <p>As a below named inventor, I hereby declare that:</p> <p>This declaration<br/>is directed to:</p> <p><input type="checkbox"/> The attached application, or</p> <p><input checked="" type="checkbox"/> U. S. application or PCT international application number <b>PCT/EP2014/002587</b><br/>filed on <b>September 24, 2014</b></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I have reviewed and understand the contents of the application, including the claims.</p> <p>I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.</p>                                                                                                                                                                                                                                                                                                                   |                                                            |
| <b>ASSIGNMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                            |
| <p>WHEREAS, the undersigned inventor(s) hereinafter referred to as the ASSIGNOR(S), has/have invented a certain improvement relating to the above identified invention.</p> <p>AND WHEREAS, <b>Borealis AG</b> a corporation organized and existing under the laws of Austria, whose post-office address is <b>IZD Tower, Wagramerstrasse 17-19, 1220 Wien, Austria</b>, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.</p> <p>NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR(S) hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout the world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement</p> |                                                            |

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

Docket No. **400056-20033**

thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR(S) might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR(S) hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR(S) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

(1) LEGAL NAME OF INVENTOR

Inventor: **Thomas HJERTBERG**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(2) LEGAL NAME OF INVENTOR

Inventor: **Ravindra TUPE**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(3) LEGAL NAME OF INVENTOR

Inventor: **Udo WAHNER**

Date 4.11.2015

Signature: \_\_\_\_\_

(4) LEGAL NAME OF INVENTOR

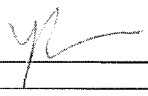
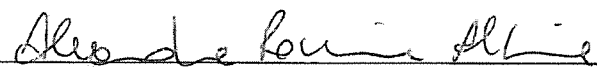


Inventor: **Tanja PIEL**

Date 4.11.2015

Signature: \_\_\_\_\_

(5) LEGAL NAME OF INVENTOR

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

| Docket No. 400056-20033                                                                               |                                                      |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Inventor: YI LIU                                                                                      | Date <u>04 Nov 2015</u>                              |
| Signature: <u></u>   |                                                      |
| (6) LEGAL NAME OF INVENTOR                                                                            |                                                      |
| Inventor: Alexandra Romina ALBUNIA                                                                    | Date <u>04.11.2015</u>                               |
| Signature: <u></u>   |                                                      |
| (7) LEGAL NAME OF INVENTOR                                                                            |                                                      |
| Inventor: Floran PRADES                                                                               | Date <u>04/11/2015</u>                               |
| Signature: <u></u>   |                                                      |
| (8) LEGAL NAME OF INVENTOR                                                                            |                                                      |
| Inventor: Joseph THORMAN                                                                              | Date _____                                           |
| Signature: _____                                                                                      |                                                      |
| (9) LEGAL NAME OF INVENTOR                                                                            |                                                      |
| Inventor: Dusan JEREMIC                                                                               | Date <u>04.11.2015</u><br><del>04.11.2015</del> D.J. |
| Signature: <u></u> |                                                      |

F11315 / US

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

**ASSIGNMENT-DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN  
APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Docket No. 400056-20033                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                            |
| Title of<br>Invention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MULTISTAGE PROCESS FOR PRODUCING POLYETHYLENE COMPOSITIONS |
| <b>DECLARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            |
| <p>As a below named inventor, I hereby declare that:</p> <p>This declaration<br/>is directed to:</p> <p><input type="checkbox"/> The attached application, or</p> <p><input checked="" type="checkbox"/> U. S. application or PCT international application number <b>PCT/EP2014/002587</b><br/>filed on <b>September 24, 2014</b></p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>I have reviewed and understand the contents of the application, including the claims.</p> <p>I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.</p>                                                                                                                                                                                                                                                                                                                   |                                                            |
| <b>ASSIGNMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                            |
| <p>WHEREAS, the undersigned inventor(s) hereinafter referred to as the ASSIGNOR(S), has/have invented a certain improvement relating to the above identified invention.</p> <p>AND WHEREAS, <b>Borealis AG</b> a corporation organized and existing under the laws of Austria, whose post-office address is <b>IZD Tower, Wagramerstrasse 17-19, 1220 Wien, Austria</b>, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States and elsewhere throughout the world in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.</p> <p>NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR(S) hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States and elsewhere throughout the world including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement</p> |                                                            |

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

Docket No. 400056-20033

thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR(S) might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNOR(S) hereby agree to execute all papers necessary to file applications in the United States and elsewhere throughout the world for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR(S) authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

(1) LEGAL NAME OF INVENTOR

Inventor: **Thomas HJERTBERG**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(2) LEGAL NAME OF INVENTOR

Inventor: **Ravindra TUPE**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(3) LEGAL NAME OF INVENTOR

Inventor: **Udo WAHNER**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(4) LEGAL NAME OF INVENTOR

Inventor: **Tanja PIEL**

Date \_\_\_\_\_

Signature: \_\_\_\_\_

(5) LEGAL NAME OF INVENTOR

Roberts Mlotkowski Safran & Cole, P.C.,  
Suite 500  
7918 Jones Branch Drive  
McLean, Virginia 22102

|                                     |                              |
|-------------------------------------|------------------------------|
| Docket No. 400056-20033             |                              |
| Inventor: Yi LIU                    | Date _____                   |
| Signature: _____                    |                              |
| (6) LEGAL NAME OF INVENTOR          |                              |
| Inventor: Alexandra Romina ALBUNIA  | Date _____                   |
| Signature: _____                    |                              |
| (7) LEGAL NAME OF INVENTOR          |                              |
| Inventor: Floran PRADES             | Date _____                   |
| Signature: _____                    |                              |
| (8) LEGAL NAME OF INVENTOR          |                              |
| Inventor: Joseph THORMAN            | Date <u>November 3, 2015</u> |
| Signature: <u>Joseph L. Thorman</u> |                              |
| (9) LEGAL NAME OF INVENTOR          |                              |
| Inventor: Dusan JEREMIC             | Date _____                   |
| Signature: _____                    |                              |