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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOACHIM FIEBIG | 05/16/2017 |
| HENK VAN PARIDON | 06/15/2017 |
| JINGBO WANG | 05/22/2017 |
| MARKUS GAHLEITNER | 05/22/2017 |
| WILHELMUS HENRICUS ADOLF SARS | 06/14/2017 |
| ANTTI TYNYS | 05/24/2017 |
| RECEIVING PARTY DATA | |
| Name: | BOREALIS AG |
| Street Address: | WAGRAMERSTRASSE 17-19 |
| City: | VIENNA |
| State/Country: | AUSTRIA |
| Postal Code: | 1220 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16451936 |
| CORRESPONDENCE DATA | |
| Fax Number: | (973)597-2400 |
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| Phone: | 9735972500 |
| Email: | skopelevich@lowenstein.com |
| Correspondent Name: | PATENT DOCKET ADMINISTRATOR |
| Address Line 1: | LOWENSTEIN SANDLER LLP |
| Address Line 2: | ONE LOWENSTEIN DRIVE |
| Address Line 4: | ROSELAND, NEW JERSEY 07068 |
| ATTORNEY DOCKET NUMBER: | 27207-51 |
| NAME OF SUBMITTER: | SOFIA KOPELEVICH |
| SIGNATURE: | /Sofia Kopelevich/ |
| DATE SIGNED: | 06/25/2019 |

Total Attachments: 5

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ASSIGNMENT

- I, **JOACHIM FIEBIG**, residing at **Mühlenstraße 45, 4502 St. Marien, Austria**, and
- I, **HENK VAN PARIDON**, residing at **Ten Bosch, 3271 Averbode, Belgium**, and
- I, **JINGBO WANG**, residing at **Fröhlerweg 12/1/36, 4040 Linz, Austria**, and
- I, **MARKUS GAHLEITNER**, residing at **Kohlwinkel 4, 4501 Neuhofen/Krems, Austria**, and
- I, **WILHELMUS HENRICUS ADOLF SARS**, residing at **Avenhornstraat 16, 5036 CA, Tilburg, Netherlands**, and
- I, **ANTTI TYNYS**, residing at **Paracelsusstrasse 11, 4020 Linz, Austria**, and

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR"), in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

BOREALIS AG

located at **IZD Tower, Wagramerstraße 17-19, 1220 Vienna, Austria** (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world**, in and to my invention entitled:

MELT-BLOWN WEBS WITHOUT SHOTS AND WITH IMPROVED BARRIER PROPERTIES

invented by me and described in International Patent Application No. **PCT/EP2015/079540**, filed on **December 14, 2015**, and in European Patent Application No. **14197889.0**, filed on **December 15, 2014**, in Europe, and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, and all applications for industrial property protection including, without limitation, all applications for patents, utility models, inventor's certificates and designs and rights of priority therein that may be filed for said Invention in any country, and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this Assignment and sale had not been made.

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or

representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement or enforcement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law.

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent or other evidence or forms of industrial property protection resulting from said Invention and application(s) concerning same to said ASSIGNEE, its successors or assigns.

I hereby grant my attorney or agent power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any other patent office for recordation of this document.

I hereby represent that I have the full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict with this Assignment.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Date: 16.05.2017

Joachim Fiebig
Joachim Fiebig, Inventor

Date: _____

Henk Van Paridon, Inventor

Date: 2017-05-22

Hugbo Wang
Hugbo Wang, Inventor

Date: 2017-05-22

Markus Gableitner
Markus Gableitner, Inventor

representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement or enforcement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law.

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent or other evidence or forms of industrial property protection resulting from said Invention and application(s) concerning same to said ASSIGNEE, its successors or assigns.

I hereby grant my attorney or agent power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or any other patent office for recordation of this document.

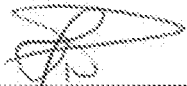
I hereby represent that I have the full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict with this Assignment.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Date:

.....
Joachim Fiebig, Inventor

Date: 15-06-2017


.....
Henk Van Paridon, Inventor

Date:

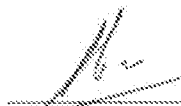
.....
Jingbo Wang, Inventor

Date:

.....
Markus Gahleitner, Inventor

Attorney Docket No.: 27207-10

Date: 14.06.2017



Wilhelmus Henricus Adolf Sars, Inventor

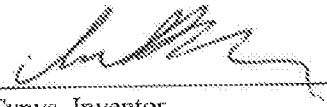
Date: _____

Antti Tynys, Inventor

Date: _____

Wilhelmus Henricus Adolf Sars, Inventor

Date: 2017-05-24



Antti Tynys, Inventor