505525222 06/14/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

EPAS ID: PAT5572027 Stylesheet Version v1.2

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| CHANG-SOO LEE | 08/20/2018 |
| COLLIN H. MARTIN | 08/15/2018 |

RECEIVING PARTY DATA

| Name: | ROHM AND HAAS COMPANY |
|-----------------|-----------------------|
| Street Address: | 400 ARCOLA ROAD |
| City: | COLLEGEVILLE |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 19426 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16461839 |

CORRESPONDENCE DATA

Fax Number: (302)355-4743

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.

Phone: 3029994233

Email: frances.toutkaldjian@dupont.com **Correspondent Name:** FRANCES TOUTKALDJIAN

Address Line 1: 974 CENTRE ROAD

Address Line 2: DOW DUPONT LEGAL, CRP721/2271 Address Line 4: WILMINGTON, DELAWARE 19805

| ATTORNEY DOCKET NUMBER: | 79445-US-PCT |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | FRANCES TOUTKALDJIAN |
| SIGNATURE: | /Frances Toutkaldjian/ |
| DATE SIGNED: | 06/14/2019 |

Total Attachments: 2

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PATENT REEL: 049467 FRAME: 0367 505525222

Filing Country

WO

Priority Number

PCT/KR16/015589

Signature: Full Name:

Mailing Address:

FORM: 110 (R.5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: RESIN BEADS AND USE IN PROCESSING OFAQUEOUS SOLUTIONS

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company 400 Arcola Road Collegeville, Pennsylvania 19426 United States of America

Filing Date

12/30/2016

applications derived from, corresponding to or equivalent to the above identified application as Assignee may request,

an entity organized and existing under the laws of the state of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to

| I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issue to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given. | | | | |
|---|---|--|--|--|
| Subscribed and Declared by me/us: | | | | |
| At: | At: | | | |
| this day of, 20 | this 20 day of August / ,20 18 | | | |
| Effective as of December 30, 2016 | Effective as of December 30, 2016 | | | |
| Signature: | Signature: Full Name: Chang-Soo Lee | | | |
| Mailing Address: 400 Arcola Road | Mailing Address: Mido-1 Apartment 306-814 | | | |
| Collegeville, Pennsylvania 19426 United States of America | Banpo 4-dong, Seocho-ku Seoul, Republic of Korea 137769 | | | |
| At; | At: | | | |
| this, 20 | this day of, 20 | | | |
| | | | | |

Signature:

Full Name:

Mailing Address:

PATENT REEL: 049467 FRAME: 0368

CASE NO.: 79445

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FORM 110 (8 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verify believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention emitted: RESIN BEADS AND USE IN PROCESSING OFAQUEOUS SOLUTIONS

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Rohm and Haas Company 4(8) Arcola Road Collegeville, Pennsylvania 19426 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

| Priority Number | Filing Date | Filing Country |
|---------------------|-----------------|----------------|
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| 1 PC17KR16/015589 8 | 1 2/MUMBD | wo . |

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. Use do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

If we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encombered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

| At: this Standard day of Accept 120 15 Effective as of December 30, 2016 Signature: Full Name: Coilin H. Manin Mailing Address: 400 Arcola Read Collegeville, Pennsylvania 19426 United States of America | Al: this day of , 20 Effective as of December 30, 2016 Signature: Full Name: Chang-Soo Lee Mailing Address: Mido-t Apartment 306-814 Banpo 4-dong, Seocho-ku Scout, Republic of Korea 137769 |
|---|--|
| At: this day of , 20 Signature: Full Name: Mailing Address: | At: this day of , 20 Signature: Full Name: Mailing Address: |

PATENT REEL: 049467 FRAME: 0369