506475032 01/28/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6521809

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| YEON-JEONG HAN | 01/21/2021 |
| DONG-HYUN KIM | 01/21/2021 |
| HEUI-SEOK JIN | 01/21/2021 |
| CHANG-SUK CHOI | 01/21/2021 |

RECEIVING PARTY DATA

| Name: | MERCK PERFORMANCE MATERIALS LTD. |
|-----------------|---|
| Street Address: | 306 PYEONGTAEKHANG-RO, POSEUNG-EUP, GYEONGGI-DO |
| City: | PYEONGTAEK-SHI |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 17956 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16913971 |

CORRESPONDENCE DATA

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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.

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| ATTORNEY DOCKET NUMBER: | MERCK-4951 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | ASHLEY BROOKSHIRE |
| SIGNATURE: | /Ashley Brookshire/ |
| DATE SIGNED: | 01/28/2021 |

Total Attachments: 5

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PATENT 506475032 REEL: 055066 FRAME: 0723

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PATENT REEL: 055066 FRAME: 0724

PATENT ASSIGNMENT

WHEREAS, I/we, Yeon-Jeong Han, Dong-Hyun Kim, Heui-Seok Jin and Chang-Suk Choi, have made an invention, which invention is described in an application for Letters Patent titled "LC MEDIUM; filed in the US Patent Office as Receiving Office, assigned Patent Application No.: 16/913,971 and accorded Filing Date of June 26, 2020; and

WHEREAS, **Merck Performance Materials Ltd.**, of 306 Pyeongtaekhang-Ro, Poseung-Eup, Gyeonggi-Do, 17956 Pyeongtaek-shi, a limited liability company organized and existing under the laws of The Republic of Korea (hereinafter "Company") is desirous of acquiring, and entitled by agreement, contract, or operation by law, to acquire the entire right, title and interest in and to the invention and in and to the application and any Letters Patent that may be granted therefor:

Now, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned have sold, assigned and transferred, and do hereby sell, assign and transfer unto Company, its lawful successors and assigns, the full, exclusive and worldwide right to the invention and the entire right, title and interest in, to and under the application and any and all Letters Patent(s) that may be granted on the application, any and all priority applications and Letters Patent thereof, and any and all applications and Letters Patent claiming priority to the application, including any and all divisions or continuations thereof, any and all renewals, substitutes, reissues, reexaminations and extensions thereof, in the United States of America, in the territorial possessions of the United States of America, and equivalents thereto in any country foreign to the United States of America, including full right to claim for any such applications all benefits and priority rights under any applicable convention, the same to be held and enjoyed by Company, its lawful successors and assigns as fully and entirely as the same would have been held by the undersigned had this assignment not been made.

The undersigned hereby authorize and request the Commissioner of Patent and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to Company as the assignee of our entire right, title and interest in, to and under the same, and we hereby further authorize Company to apply for Letters Patent in the undersigned name(s) or in Company's name, as Company in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country.

The undersigned hereby agree for ourselves and for our heirs, executors and administrators, to execute any lawful document and to testify as to any material fact or thing which Company, its lawful successors, assigns and legal representatives may deem necessary in order to secure unto itself, its lawful successors and assigns the full right, title and interest in and to, and the full enjoyment of, the invention or any part thereof, the applications and any and all Letters Patent, the same to be done without any further consideration.

The undersigned hereby warrant and represent that I/we have not entered, nor will enter, into any assignment, contract, or understanding in conflict herewith.

| IN TESTIMONY WHEREOF, I hereby set my hand this $\frac{2}{1}$ day of $\frac{1}{1}$ day. |
|---|
| Inventor Signature: Dong-Hyun Kim |
| Witness 1: |
| I attest that on this day Dong-Hyun Kim did sign above in my presence of his/her own free will. |
| Witness Signature: |
| Witness Name: SUN-mi, Pork |
| Date: 21th, Jan, 2021 |
| |
| Witness 2: |
| I attest that on this day Dong-Hyun Kim did sign above in my presence of his/her own free will. |
| Witness Signature: Moon |
| Witness Name: Hyun-Jin Koon |
| Date: H. Jan 2021 |
| |
| |

| IN TESTIMONY WHEREOF, I hereby set my hand this day of an, 202. |
|--|
| Inventor Signature: Heul-Seok Jin |
| Witness 1: |
| I attest that on this day Heui-Seok Jin did sign above in my presence of his/her own free will. |
| Witness Signature: |
| Witness Name: Sun-mi, Park |
| Date: 11 ⁵⁴ , Jan. 2021 |
| |
| Witness 2: |
| I attest that on this day Heui-Seok Jin did sign above in my presence of his/her own free will. |
| Witness Signature: |
| Witness Name: Hyun - Jin Yoon |
| Date: 21. Jan, 2021 |
| |

| IN TESTIMONY WHEREOF, I hereby set my hand this <u>A</u> day of <u>Jan</u> , <u>2024</u> . |
|--|
| Inventor Signature: Chang-Suk Choi |
| Witness 1: |
| I attest that on this day Chang-Suk Choi did sign above in my presence of his/her own free will. |
| Witness Signature: 44/1 |
| Witness Name: <u>Cyn-mⁿ</u> , Pork |
| Date: 21th, Jon, 2021 |
| |
| |
| Witness 2: |
| Witness 2: I attest that on this day Chang-Suk Choi did sign above in my presence of his/her own free will. |
| I attest that on this day Chang-Suk Choi did sign above in my presence of his/her own free will. |
| |
| I attest that on this day Chang-Suk Choi did sign above in my presence of his/her own free will. Witness Signature: |
| I attest that on this day Chang-Suk Choi did sign above in my presence of his/her own free will. Witness Signature: |