

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MERCK PERFORMANCE MATERIALS LTD.	01/30/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERCK ELECTRONICS KGAA
<b>Street Address:</b>	FRANKFURTER STRASSE 250
<b>City:</b>	DARMSTADT
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	64293
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17970015
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	MERCK-5116
<b>NAME OF SUBMITTER:</b>	ASHLEY BROOKSHIRE
<b>SIGNATURE:</b>	/Ashley Brookshire/
<b>DATE SIGNED:</b>	11/20/2023
<b>Total Attachments: 3</b>	
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## PATENT ASSIGNMENT

WHEREAS, **Merck Performance Materials Ltd.**, a limited liability company of The Republic of Korea, having a place of business at 306 Pyeongtaekhang-Ro, Poseung-Eup, Gyeonggi-Do, 17956 Pyeongtaek-shi, The Republic of Korea, (hereinafter "ASSIGNOR"), is the owner by a lawfully executed Assignment of all rights, title and interest in an invention(s), which invention(s) is described in an application(s) for Letters Patent, which application(s) are listed in the attached Schedule as may be amended from time-to-time; and

**Merck Electronics KGaA**, a corporation with general partners of Germany, having a place of business at Frankfurter Strasse 250, 64293 Darmstadt, Germany, (hereinafter "ASSIGNEE") have entered into an agreement ("Agreement") wherein all intellectual property developed under such Agreement shall be held in the name of ASSIGNEE.

Now, THEREFORE, pursuant to the above Agreement, the undersigned on behalf of ASSIGNOR has sold, assigned and transferred, and do hereby sell, assign and transfer unto ASSIGNEE, 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(s) and any and all Letters Patent(s) that may be granted on the application(s), any and all priority applications and Letters Patent thereof, any and all applications and Letters Patent claiming priority to the application(s), 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 ASSIGNEE, its lawful successors and assigns as fully and entirely as the same would have been held by ASSIGNOR had this assignment not been made.

ASSIGNOR hereby authorizes and requests 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 ASSIGNEE, and ASSIGNOR hereby further authorizes ASSIGNEE to apply for Letters Patent in ASSIGNOR name or in ASSIGNEE own name, as ASSIGNEE sees fit in its sole discretion, utilizing any benefits which may exist under any International Agreement, in any country.

ASSIGNOR hereby agrees for itself, its lawful successors, assigns and legal representatives to execute any lawful document and to testify as to any material fact or thing which ASSIGNEE, its lawful successors, assigns and legal representatives may deem necessary in order to secure unto ASSIGNEE, its 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.

IN TESTIMONY WHEREOF, I hereby set my hand on behalf of **Merck Performance Materials Ltd.**, this 30<sup>th</sup> day of January, 2023.

Signature: Wookyu Kim

Name and Title: Wookyu Kim, Managing Director and Representative Director Korea

**Witnesses:** I attest that on this day, the above person on behalf of **Merck Performance Materials Ltd.** did sign above in my presence of his/her own free will.

Witness Signature: [Signature]

Witness Name: Hyang-jin Kim, Head of Patents Korea

Date: January 30, 2023

Witness Signature: [Signature]

Witness Name: Kyung-min Park, Corporate Patent Counsel

Date: January 30, 2023

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IN TESTIMONY WHEREOF, I hereby set my hand on behalf of **Merck Electronics KGaA**, this 15<sup>th</sup> day of March, 2023

Signature: [Signatures]

Name and Title: ppa. Dr. Kathrin Körner ppa. Dr. Stefan Horstmann

**Witnesses:** I attest that on this day, the above person on behalf of **Merck Electronics KGaA** did sign above in my presence of his/her own free will.

Witness Signature: [Signature]

Witness Name: Pia Reinhart

Date: March 15, 2023

Witness Signature: [Signature]

Witness Name: Claudia Spengler

Date: March 15, 2023

SCHEDULE P21-185

<b>Application No.:</b>	<b>Country</b>	<b>Title</b>	<b>Filing Date</b>	<b>Inventor(s)</b>
17/970,015	US	LIQUID-CRYSTAL MEDIUM COMPRISING POLYMERIZABLE COMPOUNDS	October 22, 2022	Hye-Ryung PARK  Eun-Kyu LEE  Yen-Kai HUANG

Date: October 31, 2023