

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7671481

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MERCK PERFORMANCE MATERIALS LTD.	03/19/2020
RECEIVING PARTY DATA		
Name:	MERCK PERFORMANCE MATERIALS GERMANY GMBH	
Street Address:	FRANKFURTER STRASSE 250	
City:	DARMSTADT	
State/Country:	GERMANY	
Postal Code:	64293	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16859354
CORRESPONDENCE DATA		
Fax Number:	(703)243-6410	
<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>		
Phone:	7032436333	
Email:	mail@mwzb.com	
Correspondent Name:	MILLEN, WHITE, ZELANO & BRANIGAN-AEW	
Address Line 1:	2200 CLARENDON BLVD	
Address Line 2:	SUITE 1400	
Address Line 4:	ARLINGTON, VIRGINIA 22201	
ATTORNEY DOCKET NUMBER:	MERCK-4933	
NAME OF SUBMITTER:	ASHLEY BROOKSHIRE	
SIGNATURE:	/Ashley Brookshire/	
DATE SIGNED:	12/01/2022	
Total Attachments: 3		
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PATENT ASSIGNMENT

WHEREAS, **Merck Performance Materials Ltd.**, a limited liability company of Japan, having a place of business at Arco Tower 5F, 1-8-1, Shimomeguro, Meguro-ku, Tokyo 153-8605, Japan, (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 Performance Materials Germany GmbH, a limited liability company 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 _____ day of 19th March, 2020.

Signature: Roman Maisch

Name and Title: Roman Maisch, Representative Director, Chairman and President

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: Osamu Funayama

Witness Name: Osamu Funayama

Date: March 19, 2020

Witness Signature: Hiroe Nakajima

Witness Name: Hiroe Nakajima

Date: March 19, 2020

IN TESTIMONY WHEREOF, I hereby set my hand on behalf of **Merck Performance Materials Germany GmbH**, this 17th day of June, 2020.

Signature: ppa. [Signature] ppa. GS [Signature]

Name and Title: Dr. Wolfgang Losert Dr. Sabine Schoen

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

Witness Signature: Heike Blimler

Witness Name: Heike Blimler

Date: 17.06.2020

Witness Signature: Martina Bopp

Witness Name: Martina Bopp

Date: June 17, 2020

SCHEDULE

<u>Application No.</u>	<u>Country</u>	<u>Title</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
16/859,354	US	LIQUID-CRYSTAL MEDIUM	April 27, 2020	Su-Young Kim
				Chang-Suk Choi
				Jeong-Hee Sung
				Ming Chou Wu
				Sang-Kyu Lee

Dated: November 24, 2022