

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>
JUNG JUNE LEE	04/21/2020
SUWOONG KIM	04/21/2020
MIN KYUNG JANG	04/21/2020
JIN HONG PARK	04/21/2020
JAE HWAN SIM	04/21/2020
JAE BONG LIM	04/21/2020
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<b>City:</b>	CHEONAN-SI
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	31093
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16851806
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	DI83189-US-NP(DPN10042US)
<b>NAME OF SUBMITTER:</b>	IAN M. WASSER, PH.D.
<b>SIGNATURE:</b>	/Ian M. Wasser/
<b>DATE SIGNED:</b>	04/22/2020

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**Total Attachments: 1**

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This Assignment (19) is in the ENGLISH language and for the same naming in other languages with the same 110 number and R/Date

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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: **POLYMERS, UNDERLAYER COATING COMPOSITIONS COMPRISING THE SAME, AND PATTERNING METHODS**

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 Electronic Materials Korea Ltd.  
56, 3-Gondan 1-ro, Seobuk-gu  
Seobuk-gu, Cheonan-si  
Chungcheongnam-do  
Cheonan  
Republic of Korea 31093

an entity organized and existing under the laws of the state of Korea, Republic of (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 Treaty; 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
16/851,806	April 17, 2020	US

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

I/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 encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Gyeonggi-do, Korea  
this 21 day of April, 2020  
Effective as of \_\_\_\_\_  
Signature: \_\_\_\_\_  
Full Name: Jung Junc Lee  
Mailing Address: 20, Samsung 1-Ro 5-Gil  
Gyeonggi-do  
Hwaseong-si  
Republic of Korea 18449

At: Gyeonggi-do, Korea  
this 21 day of April, 2020  
Effective as of \_\_\_\_\_  
Signature: \_\_\_\_\_  
Full Name: Suwoong Kim  
Mailing Address: 20, Samsung 1-Ro 5-Gil  
Gyeonggi-do  
Hwaseong-si  
Republic of Korea 18449

At: Gyeonggi-do, Korea  
this 21 day of April, 2020  
Effective as of \_\_\_\_\_  
Signature: \_\_\_\_\_  
Full Name: Min Kyung Jang  
Mailing Address: 20, Samsung 1-Ro 5-Gil  
Gyeonggi-do  
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Republic of Korea 18449

At: Gyeonggi-do, Korea  
this 21 day of April, 2020  
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Signature: \_\_\_\_\_  
Full Name: Jin Hong Park  
Mailing Address: 20, Samsung 1-Ro 5-Gil  
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Hwaseong-si  
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At: Gyeonggi-do, Korea  
this 21 day of April, 2020  
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Republic of Korea 18449

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this 21 day of April, 2020  
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**PATENT**