

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5040729

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EMAD AQAD	07/09/2018
JAMES W. THACKERAY	07/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROHM AND HAAS ELECTRONIC MATERIALS LLC
<b>Street Address:</b>	455 FOREST STREET
<b>City:</b>	MARLBOROUGH
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01752
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15623892
<b>CORRESPONDENCE DATA</b>	
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<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	80744-US-NP (DOW0062US)
<b>NAME OF SUBMITTER:</b>	DMITRY ZUEV, PH.D.
<b>SIGNATURE:</b>	/Dmitry Zuev/
<b>DATE SIGNED:</b>	07/09/2018
<b>Total Attachments: 1</b>	
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This Assignment 110 is in the English language and has the same meaning in other languages with the same IP number and R/D use

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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: **IODINE-CONTAINING POLYMERS FOR CHEMICALLY AMPLIFIED RESIST COMPOSITIONS**

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 LLC  
455 Forest Street  
Marlborough, Massachusetts 01752  
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
15/623,892	06/15/2017	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: <u>Marlborough, MA</u>
this <u>9</u> day of <u>July</u> , 20 <u>18</u>
Effective as of <u>June 15, 2017</u>
Signature:
Full Name: <u>Emad Aqad</u>
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

At: _____
this _____ day of _____, 20 _____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

At: <u>Marlborough, MA</u>
this <u>9</u> day of <u>July</u> , 20 <u>18</u>
Effective as of <u>June 15, 2017</u>
Signature:
Full Name: <u>James W. Thackeray</u>
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

At: _____
this _____ day of _____, 20 _____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

At: <u>Marlborough, MA</u>
this _____ day of _____, 20 <u>18</u>
Effective as of <u>June 15, 2017</u>
Signature: _____
Full Name: <u>James F. Cameron</u>
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

At: _____
this _____ day of _____, 20 _____
Effective as of _____
Signature: _____
Full Name: _____
Mailing Address: <u>455 Forest Street</u> <u>Marlborough, MA 01752</u>

**PATENT**