

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3415315

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DEYAN WANG	06/04/2013
PETER TREFONAS	06/05/2013
KATHLEEN M. O'CONNELL	06/05/2014
MARTIN W. BAYES	06/08/2013
RECEIVING PARTY DATA	
Name:	ROHM AND HAAS ELECTRONIC MATERIALS LLC
Street Address:	455 FOREST STREET
City:	MARLBOROUGH
State/Country:	MASSACHUSETTS
Postal Code:	01752
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13786834
CORRESPONDENCE DATA	
Fax Number:	(989)636-3237
<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:	9896331963
Email:	fglmfrr@dow.com
Correspondent Name:	BARB STIEVE
Address Line 1:	2040 DOW CENTER
Address Line 4:	MIDLAND, MICHIGAN 48674
ATTORNEY DOCKET NUMBER:	74162-US-NP
NAME OF SUBMITTER:	BARB STIEVE
SIGNATURE:	/Barb Stieve/
DATE SIGNED:	06/26/2015
Total Attachments: 3	
source=74162-US-NP 20150626 JMT Inventors to ROHM NP#page1.tif	
source=74162-US-NP 20150626 JMT Inventors to ROHM NP#page2.tif	
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This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.
 This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.
 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: **METHODS AND COMPOSITIONS FOR REMOVAL OF METAL HARDMASKS**

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

a limited liability company organized and existing under the laws 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
13/786,834	March 6, 2013	United States of America

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: Marlborough MA.
 this 4 day of June, 20 13
 Effective as of March 6, 2013

Signature: [Signature]
 Full Name: Deyan Wang
 Residence: 68 Laurel Drive
Hudson, Massachusetts 01749
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Electronic Materials LLC
 Of Country: United States of America

At: _____
 this _____ day of _____, 20 ____
 Effective as of March 6, 2013

Signature: _____
 Full Name: Martin W. Bayes
 Residence: 106 Hayden Rowe St
Hopkinton, Massachusetts 01748
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Electronic Materials LLC
 Of Country: United States of America

At: Marlborough MA
 this 5 day of June, 20 13
 Effective as of March 6, 2013

Signature: [Signature]
 Full Name: Peter Trefonas
 Residence: 40 Summer Hill Road
Medway, Massachusetts 02053
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Electronic Materials LLC
 Of Country: United States of America

At: Marlborough MA
 this 5 day of June, 20 13
 Effective as of March 6, 2013

Signature: [Signature]
 Full Name: Kathleen M. O'Connell
 Residence: 308 Sneece Pond Road
Cumberland, Rhode Island 02864
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Electronic Materials LLC
 Of Country: United States of America

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date

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: **METHODS AND COMPOSITIONS FOR REMOVAL OF METAL HARDMASKS**

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

a limited liability company organized and existing under the laws 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
13/786,834	March 6, 2013	United States of America

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:

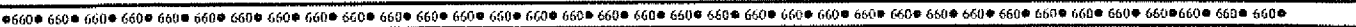
At: _____ this _____ day of _____, 20____ Effective as of March 6, 2013
Signature: _____ Full Name: Deyan Wang Residence: 68 Laurel Drive Hudson, Massachusetts 01749 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: Rohm and Haas Electronic Materials LLC Of Country: United States of America

At: <u>HOPKINTON MA 01748 USA</u> this <u>3rd</u> day of <u>JUNE</u> , 20 <u>13</u> Effective as of March 6, 2013
Signature: _____ Full Name: Martin W. Bayes Residence: 106 Hayden Rowe St Hopkinton, Massachusetts 01748 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: Rohm and Haas Electronic Materials LLC Of Country: United States of America

At: _____ this _____ day of _____, 20____ Effective as of March 6, 2013
Signature: _____ Full Name: Peter Trefonas Residence: 40 Summer Hill Road Medway, Massachusetts 02053 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: Rohm and Haas Electronic Materials LLC Of Country: United States of America

At: _____ this _____ day of _____, 20____ Effective as of March 6, 2013
Signature: _____ Full Name: Kathleen M. O'connell Residence: 308 Sneece Pond Road Cumberland, Rhode Island 02864 Country: United States of America Citizenship: United States of America P.O. Address: Same as Residence Employed By: Rohm and Haas Electronic Materials LLC Of Country: United States of America

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.



This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE: **ROHM AND HAAS ELECTRONIC MATERIALS LLC**
455 Forest Street
Marlborough, Massachusetts 01752
United States of America

hereby accept the ASSIGNMENT attached hereto which is dated: June 4, 2013; June 8, 2013; June 5, 2013; and June 5, 2013; effective as of March 6, 2013.

From, the ASSIGNOR: Deyan Wang, 68 Laurel Drive, Hudson, Massachusetts 01749, United States of America, Citizen of United States of America; Martin W. Bayes, 106 Hayden Rowe St, Hopkinton, Massachusetts 01748, United States of America, Citizen of United States of America; Peter Trefonas, 40 Summer Hill Road, Medway, Massachusetts 02053, United States of America, Citizen of United States of America; and Kathleen M. O'connell, 308 Sneece Pond Road, Cumberland, Rhode Island 02864, United States of America, Citizen of United States of America

of the invention entitled:


METHODS AND COMPOSITIONS FOR REMOVAL OF METAL HARDMASKS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA
this 11 day of July, 20 13

CORP.
SEAL

ROHM AND HAAS ELECTRONIC MATERIALS LLC

By: 
DARRYL P. FRICKEY
Assistant Secretary

NOTARIAL CERTIFICATE

UNITED STATES OF AMERICA)
STATE OF MICHIGAN) SS
County/Parish of Midland)

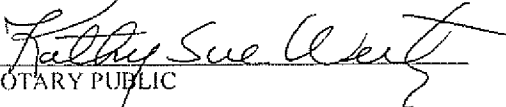
On this 11 day of July, 20 13, personally appeared before me, **DARRYL P. FRICKEY, Assistant Secretary**, known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said entity organized and existing under the laws of the **State of Delaware, United States of America**.

I further certify that said authority, dated **December 6, 2005**, is based on

a **Board Resolution**

which I have seen, appointing the said individual Assistant Secretary with full power to sign the foregoing document on behalf of the said entity and that the purposes for which said document is granted are within the scope of the objects or activities of said entity.

SEAL


NOTARY PUBLIC

Kathy Sue Wertz
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES APRIL 07, 2018