## 505194180 11/16/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5240949

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAMES F. CAMERON	08/24/2018
KEREN ZHANG	08/30/2018
LI CUI	08/23/2018
DANIEL GREENE	08/28/2018
SHINTARO YAMADA	08/23/2018

#### 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:	16167568

### **CORRESPONDENCE DATA**

**Fax Number:** (302)355-4243

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.

**Phone:** 3029994278

**Email:** pto-legal.prc@dupont.com

Correspondent Name: E. I. DU PONT DE NEMOURS AND COMPANY

Address Line 1: 974 CENTRE ROAD

Address Line 2: CHESTNUT RUN PLAZA 721/2340
Address Line 4: WILMINGTON, DELAWARE 19805

ATTORNEY DOCKET NUMBER:	DI81534-US-NP
NAME OF SUBMITTER:	AHNALESE RUSHMANN
SIGNATURE:	/Ahnalese Rushmann/
DATE SIGNED:	11/16/2018

**Total Attachments: 2** 

PATENT REEL: 047522 FRAME: 0903 source=20181024\_DI81534USNP\_ExecutedAssignment\_RohmAndHaasElectronicMaterialsLLC#page1.tif source=20181024\_DI81534USNP\_ExecutedAssignment\_RohmAndHaasElectronicMaterialsLLC#page2.tif

PATENT REEL: 047522 FRAME: 0904

Filing Country

United States of America

e interior traine interior int

This Assignment (40 is in the EPGLISH improperate the the sense meaning in other languages with the close 116 approper each RIB

Priority Number

62/586298

Mailing Address: 455 Porest Street

Marlborough, MA 01752 United States of America

FORM 110 (8.507)

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(v) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: GAP-FILLING METHOD

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 (hereinnfier 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 to its designee to insent here the Priority Number. Filing Date, and Filing Country

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've do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation

Filing Date

November 15, 2017

cribed and Declared by me/us:	
Marlborough, MA  24 day of Age 2 20 18  ctive as of November 15, 2017;  ature: Name: James F. Cameron ling Address: 455 Forest Street Marlborough, MA 01752 United States of America	At: Marlbgrough, MA this 10 Aday of 120 18 Effective as of November 15, 2000  Signature: Full Name: Keren Zhang Mailing Address: 455 Forest Street Marlbgrough, MA 01753 United States of America
Mariborough, MA  28 day of Archest , 20 18 ctive as of November 15, 2017 nature: Name: Li Cui ling Address: 455 Forest Street Mariborough, MA 01752 United States of America	At: this day of .20 18 Effective as of November 15, 2017  Signature: Pult Name: Daniel Greene Mailing Address:
Marlborough, MA  23 day of 43,143 \$ .20 18  ctive as of November 15, 28017	At: this day of20 Signature:
ctive as of November 15, 20017.	Signature: Full Name

Mailing Address:

DOW DOCKET NO.: 81534-US-NP

This Assignment 110 is in the [250].[31] language and has the come meaning in other languages with the same \$50 number and \$70 land

ellositus (los lios libalios libalios (los libalios prosides los libalios prosides libalios prosides los libalios prosides prosides prosides libalios prosides prosides

This designment 110 is in the ENGLISH tanguage and has the same recovery in other languages with the same 140 number and 100 to 100 to

FORM 110 (R 5/97)

### INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

Vwe 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. GAP-FILLLING METHOD

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 insent here the Priority Number, Filing Date, and Filing Country

	Priority Number	Filing Date	Filing Country
1	62/586298	November 15, 2017	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've 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	At: Marlborough, MA
this day of 20 18	this day of . 20 18
Effective as of November 15, 2017	this day of . 20 18  Effective as of November (5, 20017
Signature:	Signature:
Full Name: James F. Cameron	Full Name: Keren Zhang
Mailing Address: 455 Forest Street	Mailing Address: 455 Forest Street
Marlborough, MA 01752	Marlborough, MA 01752
United States of America	United States of America
At: Mariborough, MA	At: Louisville , KY
this day of . 20 18	this $\mathcal{A}g^{+}$ day of $\mathcal{A}_{\mathcal{A}}(\mathcal{L}_{S})$ , 20 18
Effective as of November 15, 2017	Effective as of November 15, 3017
Signature:	Signature:
Full Name: Li Cui	Full Name: Daniel Greene
Mailing Address: 455 Forest Street	Mailing Address: 15000
Mariborough, MA 01752	TUTELITY NOW THE LITY WAY WELOS
United States of America	Mailing Address: 1860 Interrity way Unit 108
Ist. Beetleman bee	
At: Marlborough, MA	At
this day of 20 18	this, 20, 20
Effective as of November 15, 20017	
Signature:	Signature:
Full Name: Shintaro Yamada	Full Name:
Mailing Address: 455 Forest Street	Mailing Address:
Marlborough, MA 01752	
United States of America	

PATENT REEL: 047522 FRAME: 0906