

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4129168

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES C BOHLING	04/11/2014
WEI GAO	04/11/2014
JOHN W HOOK III	04/10/2014
DEBORAH G FRADKIN	01/06/2014
TAO WANG	04/09/2014
TAO WANG-CHINA	12/31/2013
RECEIVING PARTY DATA	
Name:	ROHM AND HAAS COMPANY
Street Address:	100 INDEPENDENCE MALL WEST
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19106
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14131071
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:	989-636-8434
Email:	PJKACZMARCZYK@DOW.COM
Correspondent Name:	ROHM AND HAAS COMPANY
Address Line 1:	C/O DOW GLOBAL TECHNOLOGIES LLC
Address Line 2:	2040 DOW CENTER
Address Line 4:	MIDLAND, MICHIGAN 48674
ATTORNEY DOCKET NUMBER:	71211-US-PCT
NAME OF SUBMITTER:	PATRICIA KACZMARCZYK
SIGNATURE:	/Patricia Kaczmarczyk/
DATE SIGNED:	11/04/2016

Total Attachments: 5

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(with Priority Rights)

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:

Kehm and Haas Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106

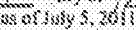
an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"), my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designor (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 Conventions(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
PCT/CH11/076833	July 5, 2011	CH

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. 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 recording 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 PA
this 11 day of April, 20 14
Effective as of July 5, 2011
Signature: 
Full Name: James C. Bohling
Residence: 1904 Stirling Drive
Lansdale, Pennsylvania 19446
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____
Effective as of July 5, 2011

Signature: _____
Full Name: Deborah G. Franklin
Residence: 343 Green Meadow Lane
Horsesham, Pennsylvania 19044
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohan and Haas Company
Of Country: United States of America

At: Collegeville, PA
 this 11 day of April, 2014
 Effective as of July 5, 2011

Signature: [Signature]
 Full Name: Wei Gao
 Residence: 1217 Boden Place
Fort Washington, Pennsylvania 19034
 Country: United States of America
 Citizenship: United States of America
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Company
 Of Country: United States of America

At: _____
this _____ day of _____, 2011
Effective as of July 5, 2011

Signature: _____
Full Name: John W. Hook, III
Residence: 410 Twin Sreams Drive
Warminster, Pennsylvania 18974
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

(X) Additional names and signatures are attached.

0:150:100:110:120:130:140:150:160:170:180:190:200:210:220:230:240:250:260:270:280:290:300:310:320:330:340:350:360:370:380:390:400:410:420:430:440:450:460:470:480:490:500:510:520:530:540:550:560:570:580:590:600:610:620:630:640:650:660:670:680:690:700:710:720:730:740:750:760:770:780:790:800:810:820:830:840:850:860:870:880:890:900:910:920:930:940:950:960:970:980:990:1000:1010:1020:1030:1040:1050:1060:1070:1080:1090:1100:1110:1120:1130:1140:1150:1160:1170:1180:1190:1200:1210:1220:1230:1240:1250:1260:1270:1280:1290:1300:1310:1320:1330:1340:1350:1360:1370:1380:1390:1400:1410:1420:1430:1440:1450:1460:1470:1480:1490:1500:1510:1520:1530:1540:1550:1560:1570:1580:1590:1600:1610:1620:1630:1640:1650:1660:1670:1680:1690:1700:1710:1720:1730:1740:1750:1760:1770:1780:1790:1800:1810:1820:1830:1840:1850:1860:1870:1880:1890:1900:1910:1920:1930:1940:1950:1960:1970:1980:1990:2000:2010:2020:2030:2040:2050:2060:2070:2080:2090:2100:2110:2120:2130:2140:2150:2160:2170:2180:2190:2200:2210:2220:2230:2240:2250:2260:2270:2280:2290:2300:2310:2320:2330:2340:2350:2360:2370:2380:2390:2400:2410:2420:2430:2440:2450:2460:2470:2480:2490:2500:2510:2520:2530:2540:2550:2560:2570:2580:2590:2600:2610:2620:2630:2640:2650:2660:2670:2680:2690:2700:2710:2720:2730:2740:2750:2760:2770:2780:2790:2800:2810:2820:2830:2840:2850:2860:2870:2880:2890:2900:2910:2920:2930:2940:2950:2960:2970:2980:2990:3000:3010:3020:3030:3040:3050:3060:3070:3080:3090:3100:3110:3120:3130:3140:3150:3160:3170:3180:3190:3200:3210:3220:3230:3240:3250:3260:3270:3280:3290:3300:3310:3320:3330:3340:3350:3360:3370:3380:3390:3400:3410:3420:3430:3440:3450:3460:3470:3480:3490:3500:3510:3520:3530:3540:3550:3560:3570:3580:3590:3600:3610:3620:3630:3640:3650:3660:3670:3680:3690:3700:3710:3720:3730:3740:3750:3760:3770:3780:3790:3800:3810:3820:3830:3840:3850:3860:3870:3880:3890:3900:3910:3920:3930:3940:3950:3960:3970:3980:3990:4000:4010:4020:4030:4040:4050:4060:4070:4080:4090:4100:4110:4120:4130:4140:4150:4160:4170:4180:4190:4200:4210:4220:4230:4240:4250:4260:4270:4280:4290:4300:4310:4320:4330:4340:4350:4360:4370:4380:4390:4400:4410:4420:4430:4440:4450:4460:4470:4480:4490:4500:4510:4520:4530:4540:4550:4560:4570:4580:4590:4600:4610:4620:4630:4640:4650:4660:4670:4680:4690:4700:4710:4720:4730:4740:4750:4760:4770:4780:4790:4800:4810:4820:4830:4840:4850:4860:4870:4880:4890:4900:4910:4920:4930:4940:4950:4960:4970:4980:4990:5000:5010:5020:5030:5040:5050:5060:5070:5080:5090:5100:5110:5120:5130:5140:5150:5160:5170:5180:5190:5200:5210:5220:5230:5240:5250:5260:5270:5280:5290:5300:5310:5320:5330:5340:5350:5360:5370:5380:5390:5400:5410:5420:5430:5440:5450:5460:5470:5480:5490:5500:5510:5520:5530:5540:5550:5560:5570:5580:5590:5600:5610:5620:5630:5640:5650:5660:5670:5680:5690:5700:5710:5720:5730:5740:5750:5760:5770:5780:5790:5800:5810:5820:5830:5840:5850:5860:5870:5880:5890:5900:5910:5920:5930:5940:5950:5960:5970:5980:5990:6000:6010:6020:6030:6040:6050:6060:6070:6080:6090:6100:6110:6120:6130:6140:6150:6160:6170:6180:6190:6200:6210:6220:6230:6240:6250:6260:6270:6280:6290:6300:6310:6320:6330:6340:6350:6360:6370:6380:6390:6400:6410:6420:6430:6440:6450:6460:6470:6480:6490:6500:6510:6520:6530:6540:6550:6560:6570:6580:6590:6600:6610:6620:6630:6640:6650:6660:6670:6680:6690:6700:6710:6720:6730:6740:6750:6760:6770:6780:6790:6800:6810:6820:6830:6840:6850:6860:6870:6880:6890:6900:6910:6920:6930:6940:6950:6960:6970:6980:6990:7000:7010:7020:7030:7040:7050:7060:7070:7080:7090:7100:7110:7120:7130:7140:7150:7160:7170:7180:7190:7200:7210:7220:7230:7240:7250:7260:7270:7280:7290:7300:7310:7320:7330:7340:7350:7360:7370:7380:7390:7400:7410:7420:7430:7440:7450:7460:7470:7480:7490:7500:7510:7520:7530:7540:7550:7560:7570:7580:7590:7600:7610:7620:7630:7640:7650:7660:7670:7680:7690:7700:7710:7720:7730:7740:7750:7760:7770:7780:7790:7800:7810:7820:7830:7840:7850:7860:7870:7880:7890:7900:7910:7920:7930:7940:7950:7960:7970:7980:7990:8000:8010:8020:8030:8040:8050:8060:8070:8080:8090:8100:8110:8120:8130:8140:8150:8160:8170:8180:8190:8200:8210:8220:8230:8240:8250:8260:8270:8280:8290:8300:8310:8320:8330:8340:8350:8360:8370:8380:8390:8400:8410:8420:8430:8440:845

¹² This is a consequence of the fact that $\mathbb{N} \times \mathbb{N}$ is not a well-ordering.

FORM 110 (2-5-2017)

(with Priority Rights)

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 trustees, and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

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 Conventions(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

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. 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 recording 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 July 5, 2011

Signature: _____

Full Name: James C. Bohling
Residence: 1904 Stirling Drive
Lansdale, Pennsylvania 19446
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: WARRMINSTER
this day of , 20
Effective as of July 5, 2011

Signature: _____
Full Name: Deborah G. Fradkin
Residence: 343 Green Meadow Lane
 Horsham, Pennsylvania 19044
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____
Effective as of July 5, 2011

Signature: _____
Full Name: Wei Gan
Residence: 1217 Boden Place
Fort Washington, Pennsylvania 19074
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: Warminster PA
this 10th day of April, 2014
Effective as of July 5, 2011
Signature: [Signature]
Full Name: John W. Hook, III
Residence: 410 Twin Streams Drive
Warminster, Pennsylvania 18974
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Robin and Haas Company
Of Country: United States of America

(X) Additional names and signatures are attached.

This Assignment 110 is in the ENGLISH language and has the same meaning as other languages with the same 110 number and N. Name.

This Assignment 110 is in the ENGLISH language and has the same meaning as other languages with the same 110 number and N. Name.

This Assignment 110 is in the ENGLISH language and has the same meaning as other languages with the same 110 number and N. Name.

FORM 110 (R 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (with Priority Rights)

I/we verify 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: **PROCESS FOR IMPROVING HIDING EFFICIENCY IN PIGMENTED PAINTS**

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 Company
100 Independence Mall West
Philadelphia, Pennsylvania 19106

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
PCT/CN11076838	July 5, 2011	PCT

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 recording 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 July 5, 2011

Signature: _____
Full Name: James C. Bohling
Residence: 1904 Stirling Drive
Lansdale, Pennsylvania 19446
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: Collegeville, PA
this 6th day of JANUARY, 2011
Effective as of July 5, 2011

Signature: Deborah G. Fradkin
Full Name: Deborah G. Fradkin
Residence: 2111 Braden Court
Harleysville, PA 19438
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

At: _____
this _____ day of _____, 20____
Effective as of July 5, 2011

Signature: _____
Full Name: Wei Gao
Residence: 1217 Boden Place
Fort Washington, Pennsylvania 19034
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

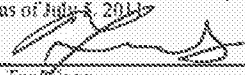
At: _____
this _____ day of _____, 20____
Effective as of July 5, 2011

Signature: _____
Full Name: John W. Hook, III
Residence: 410 Twin Streams Drive
Warminster, Pennsylvania 18974
Country: United States of America
Citizenship: United States of America
P.O. Address: Same as Residence
Employed By: Rohm and Haas Company
Of Country: United States of America

(X) Additional names and signatures are attached.

Additional names, addresses and signatures to be attached to Form No. 110 INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At Highton, Geelong, Australia
 this _____ day of 04 April, 2014
 Effective as of July 5, 2011

Signature: 

Full Name: Tao Wang
 Residence: 184 Mt. Pleasant Rd.
Highton VIC VIC 3126
AUSTRALIA

Country: Australia
 Citizenship: Australia
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas Australia PTY Ltd.
 Of Country: Australia

At _____
 this _____ day of _____, 20____
 Effective as of July 5, 2011

Signature: _____

Full Name: Tao Wang
 Residence: Room 102-302, No. 3151
Yindu Road
Shanghai 201108
PEOPLE'S REPUBLIC OF CHINA

Country: People's Republic of China
 Citizenship: People's Republic of China
 P.O. Address: Same as Residence
 Employed By: Rohm and Haas (China) Holding Co. Ltd.
 Of Country: P. R. China

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At _____
 this _____ day of _____, 20____

Signature: _____

Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

Additional names, addresses and signatures to be attached to Form No. 110 INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At: _____
 this _____ day of _____, 20____
 Effective as of _____

Signature: _____
 Full Name: Tao Wang
 Residence: 184 Mt. Pleasant Rd.
 Highion VIC VIC 3126
 AUSTRALIA

Country: Australia
 Citizenship: Australia
 P.O. Address: Same as Residence
 Employed By: Rolun and Haas Company
 Of Country: United States of America

At: Room 102-302, No. 1131, Yinda Road, Shanghai, China
 this 31 day of Dec, 20 13
 Effective as of _____

Signature: *Tao Wang*
 Full Name: Tao Wang
 Residence: Room 102-302, No. 3131
 Yindu Road
 Shanghai 201108
 PEOPLE'S REPUBLIC OF CHINA

Country: People's Republic of China
 Citizenship: People's Republic of China
 P.O. Address: Same as Residence
 Employed By: Rolun and Haas Company
 Of Country: United States of America

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

At: _____
 this _____ day of _____, 20____

Signature: _____
 Full Name: _____
 Residence: _____

Country: _____
 Citizenship: _____
 P.O. Address: _____
 Employed By: _____
 Of Country: _____

PATENT

RECORDED: 11/04/2016

REEL: 040568 FRAME: 0637