

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David D. Fleming	02/11/2011
Mike K. Gallagher	02/11/2011
Kim Sang Ho	03/10/2011
Mark R. Winkle	03/14/2011
Asghar Akber Peera	04/06/2011
Glenn Robinson	04/08/2011
Ian Tomlinson	09/06/2011
Xiang-Qian Liu	03/10/2011

RECEIVING PARTY DATA

Name:	Rohm and Haas Electronic Materials LLC
Street Address:	455 Forest Street
City:	Marlborough
State/Country:	MASSACHUSETTS
Postal Code:	01752

Name:	ANGUS Chemical Company
Street Address:	1500 E. Lake Cook Road
City:	Buffalo Grove
State/Country:	ILLINOIS
Postal Code:	60089

Name:	Dow Global Technologies LLC
Street Address:	2040 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674

PROPERTY NUMBERS Total: 1

501689985

PATENT  
REEL: 027056 FRAME: 0324

CH \$40.00 12958487

Property Type	Number
Application Number:	12958487
<b>CORRESPONDENCE DATA</b>  Fax Number: (302)283-2144 Phone: 302-456-6622 Email: pconnell@dow.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> Correspondent Name: Patricia Connell Address Line 1: 451 Bellevue Road Address Line 4: Newark, DELAWARE 19713	
ATTORNEY DOCKET NUMBER:	70651
NAME OF SUBMITTER:	Patricia Connell
Total Attachments: 5 source=70651AssignmentsSigned#page1.tif source=70651AssignmentsSigned#page2.tif source=70651AssignmentsSigned#page3.tif source=70651AssignmentsSigned#page4.tif source=70651AssignmentsSigned#page5.tif	

ASSIGNMENT

WHEREAS, I, David D. Fleming of Northborough, Massachusetts, Mike K. Gallagher of Hopkinton, Massachusetts, Kim Sang Ho of Richboro, Pennsylvania, Xiang-Qian Liu of Collegeville, Pennsylvania and Mark R. Winkle of Lansdale, Pennsylvania (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "A Curable Amine Flux Composition And Method Of Soldering", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on December 2, 2010 and assigned United States Non-Provisional Patent Application Serial No. 12/958,487; and

WHEREAS, Rohm and Haas Electronic Materials LLC, located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

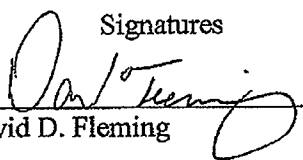
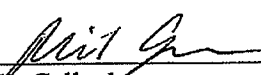



The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the Patent Law Department of Rohm and Haas Electronic Materials LLC the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Effective from the date of: December 2, 2010.

	Signatures	Date
1.	 David D. Fleming	<u>2/11/2011</u>
2.	 Mike K. Gallagher	<u>2/11/2011</u>
3.	 Kim Sang Ho	<u>3/10/2011</u>
4.	 Xiang-Qian Liu	<u>03/10/2011</u>
5.	 Mark R. Winkle	<u>3/14/2011</u>

This Assignment 110 is in the ENGLISH language and has the same meaning 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: **A CURABLE AMINE FLUX COMPOSITION AND METHOD OF SOLDERING**

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:

**ANGUS Chemical Company**  
1500 E. Lake Cook Road  
Buffalo Grove, IL 60089  
UNITED STATES OF AMERICA

a corporation 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
12/958,487	12/02/2010	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; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent Application Number, Filing Date, and Filing Country

Application Number	Filing Date	Filing Country

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. 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: BUFFALO GROVE, IL  
this 6 day of APRIL, 20 11  
Effective as of December 2, 2010

Signature: ASGHAR AKBER PEERA  
Full Name: ASGHAR AKBER PEERA  
Residence: 13 Avalon Court  
Cary, IL 60013  
Country: United States of America  
Citizenship: Tanzania  
P.O. Address: Same as residence  
Employed By: ANGUS Chemical Company  
Of Country: United States of America

At: NAPERVILLE, IL  
this 8 day of APRIL, 20 11  
Effective as of December 2, 2010

Signature: GLENN A. ROBINSON  
Full Name: GLENN ROBINSON  
Residence: 1503 Windsor Court  
Naperville, IL 60565  
Country: United States of America  
Citizenship: United States of America  
P.O. Address: Same as residence  
Employed By: ANGUS Chemical Company  
Of Country: United States of America

( ) Additional names and signatures are attached.

(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: **A Curable Amine Flux Composition And Method Of Soldering**

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:

**Dow Global Technologies LLC**  
2040 Dow Center  
Midland, Michigan 48674  
United States of America

a **limited liability company** organized and existing under the laws of the State of **DELAWARE, U.S.A.** (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
12/958,487	12/2/2010	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: MIDLAND, MI  
this 6 day of SEPTEMBER, 20 11  
Effective as of December 2, 2010  
Signature: J. A. Tomlinson  
Full Name: Ian Tomlinson  
Residence: 4415 Andre Street  
Midland, MI 48642  
Country: United States of America  
Citizenship: United States of America  
P.O. Address:  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
Effective as of \_\_\_\_\_  
  
Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_  
  
Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P.O. Address: \_\_\_\_\_  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of \_\_\_\_\_  
Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_  
Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P.O. Address: \_\_\_\_\_  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
Effective as of \_\_\_\_\_  
  
Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_  
  
Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P.O. Address: \_\_\_\_\_  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

☐ Additional names and signatures are attached.

FORM 220

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Deanne J. Sirell

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eed for uses and purposes therein expressed.

Leticia Goosby