OIPA	Form PTO-1595 (Rev. 08/05) 07 - 15	U.S. DEPARTMENT OF COMMERCE	/
JUL 0 7 2000	OMB No. 0651-0027 (exp. 6/30/2008)	United States Patent and Trademark Onice	
2000	To the Director of the U.S. Patent and 10351	ients or the new address(es) below.	
	1. Name of conveying party(ies): Erik REDDINGTON (6/25/2008)	2. Name and address of receiving party(ies)	
	Gonzalo Urrutia DESMAISON (6/25/2008) Zukhra I. NIAZIMBETOVA (06/25/2008) Donald Ey CLEARY (06/26/2008) Mark LEFEBVRE (06/30/2008)	Name:     Rohm and Haas Electronic Materials LLC       Internal Address:     Patent Department	
	Additional name(s) of conveying party(ies) attached?	Internal Address: Patent Department Street Address:	
	3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor's name	455 Forest Street	
	X Assignment Merger Change of Name		
	Security Agreement Joint Research Agreement	City: Marlborough	
	Government Interest Assignment	State: Massachusetts	
	Executive Order 9424, Confirmatory License	Country: U.S.A. Zip: 01752   Additional name(s) & address(es) Yes X No   attached? Yes X No	
	4. Application or patent number(s):   T     A. Patent Application No.(s)   12/080,484	This document is being filed together with a new application. B. Patent No.(s)	
	Additional numbers attached?		
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and1	
	John J. Piskorski <sup>Name:</sup> ROHM AND HAAS ELECTRONIC MATERIALS LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
	Internal Address: Atty. Dkt.: 52510 Street Address: 455 Forest Street	Authorized to be charged by credit card       X     Authorized to be charged to deposit account	
		None required (government interest not affecting title)	
	City: Marlborough	8. Payment Information	
	State: MA Zip: 01752		
	State:     MA     Zip:     01752       Phone Number:     (508) 228-7662     (509) 787, 4730	B. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 18-1850	
	State: MA Zip: 01752	B. Payment Information a. Credit Card Last 4 Numbers Expiration Date	
	State: MA Zip: 01752 Phone Number: (508) 228-7662 Fax Number: (508) 787-4730 Email Address: JPiskorski@rohmhaas.com 9. Signature:	B. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 18-1850	
	State:   MA   Zip:   01752     Phone Number:   (508) 228-7662     Fax Number:   (508) 787-4730     Email Address:   JPiskorski@rohmhaas.com     9. Signature:   Matthew Cairns (Reg. No. 42,378)	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 18-1850 Authorized User Name S. Matthew Cairns 06/30/2008 Date Total number of pages including cover 3	12080484
	State:   MA   Zip:   01752     Phone Number:   (508) 228-7662     Fax Number:   (508) 787-4730     Email Address:   JPiskorski@rohmhaas.com     9. Signature:   JPiskorski@rohmhaas.com     Signature:   Signature     Signature:   Signature     Name of Person Signing	8. Payment Information     a. Credit Card   Last 4 Numbers     Expiration Date     b. Deposit Account Number   18-1850     Authorized User Name   S. Matthew Cairns     06/30/2008     Date     Total number of pages including cover   3     87/14/2008 DBYRNE   99999981     181856   91 FC:8021	12086484
	State:   MA   Zip:   01752     Phone Number:   (508) 228-7662     Fax Number:   (508) 787-4730     Email Address:   JPiskorski@rohmhaas.com     9. Signature:   Matthew Cairns (Reg. No. 42,378)	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 18-1850 Authorized User Name S. Matthew Cairns 06/30/2008 Date Total number of pages including cover 3 sheet, attachments, and documents: 3 97/14/2008 DBYRNE 88989881 181856 01 FC:8021 49.98 DA	12086484

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PATR

## ASSIGNMENT

WHEREAS, I, Erik REDDINGTON of Ashland, Massachusetts U.S.A., I, Gonzalo Urrutia DESMAISON of Berlin, Germany, I, Zukhra I. NIAZIMBETOVA of Westborough, Massachusetts U.S.A., I Donald E. CLEARY of Littleton, Massachusetts U.S.A. and I, Mark LEFEBVRE of Hudson, New Hampshire U.S.A. (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "METAL PLATING COMPOSITIONS", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on April 2, 2008 and assigned United States Patent Application Serial No. 12/080,484, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/921,660, filed April 3, 2007; 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.

> PATENT REEL: 021256 FRAME: 0538

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: <u>April 3, 2007</u>.

Signatures

1. E Reck

Date

6/25/08

Erik REDDINGTON

2. Gonzalo Urrutia DESMAISON

hiag meeton

6/25/2008

Zukhra I. NIAZIMBETOVA Donald E. CLEARY 5

Mark LEFEBVRE

<u>6|76|08</u> <u>6|30|08</u>

PATENT REEL: 021256 FRAME: 0539

## ASSIGNMENT

WHEREAS, I, Erik REDDINGTON of Ashland, Massachusetts U.S.A., I, Gonzalo Urutia DESMAISON of Berlin, Germany, I, Zukhra I. NIAZIMBETOVA of Westborough, Massachusetts U.S.A., I Donald E. CLEARY of Littleton, Massachusetts U.S.A. and I, Mark LEFEBVRE of Hudson, New Hampshire U.S.A. (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "METAL PLATING COMPOSITIONS", for which an application for United States Letters Patent with the same title was filed with the United States Patent and Trademark Office on April 2, 2008 and assigned United States Patent Application Serial No. 12/080,484, which application corresponds to and claims priority of United States Provisional Application Serial No. 60/921,660, filed April 3, 2007; 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.

TOTAL P.02

PATENT REEL: 021256 FRAME: 0540 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: April 3, 2007

Signatures

Date

1. Erik REDDINGTON

Gonzalo Urrutia DESMAISON

25/6/2002

Zukhra I. NIAZIMBETOVA

Donald E. CLEARY

5.

Mark LEFEBVRE