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PATENTS ONLY

DN: A01775A

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

1. Name of conveying party(ies)/Execution Date(s):

Nathan Tait Allen  
Brian Leslie Goodall  
Thomas Cleveland Kirk  
Lester Howard McIntosh III  
Execution Date(s) 7/11/2006, 7/17/2006, 7/12/2006  
Additional name(s) of conveying party(ies) attached? ☐  
Yes ☐ No ☒

2. Name and address of receiving party(ies):

Name: ROHM AND HAAS COMPANY  
Internal Address: Patent Department  
Street Address: 100 Independence Mall West  
City: Philadelphia State: PA Zip: 19106-2399  
Country: U.S.A.  
Additional name(s) and address(es) attached? ☐  
Yes ☐ No ☒

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s) 11,457,996

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Thomas S. Deibert  
Internal Address: ROHM AND HAAS COMPANY  
Patent Department, 7<sup>th</sup> Floor  
Street Address: 100 Independence Mall West  
City: Philadelphia State: PA Zip: 19106-2399  
Phone Number:  
Fax Number: 215-592-2682  
Email Address:

6. Total number of applications and patents involved: ☐

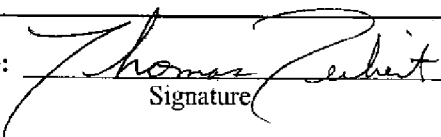
7. Total fee (37 CFR 1.21(h) & 3.41): \$40.00

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☐ None required (government interest not affecting title)

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Signature

Dec 12, 2007  
Date

Thomas S. Deibert  
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6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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PATENT

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REEL: 020239 FRAME: 0335

CH \$40.00 181850 11457996

ASSIGNMENT

WHEREAS, Nathan Tait Allen of 298 Egypt Road, Norristown, PA 19403; Brian Leslie Goodall of 1259 Appalachian Road, Ambler, PA 19002; Thomas Cleveland Kirk of 861 Sackettsford Road, Ivyland, PA 18974 and Lester Howard McIntosh III of 1171 Payne Road, Green Lane, PA 18054 (hereafter Assignor(s)), invented certain new and useful improvements in **LIGAND SYNTHESIS** (hereafter "INVENTION") for which on the date below Assignor executed an application for Letters Patent of the United States of America;

WHEREAS at the time the INVENTION was made, Assignor was under an obligation to assign all right, title and interest in Assignor's INVENTION to ROHM AND HAAS COMPANY, a Delaware corporation having its principal place of business at 100 Independence Mall West, Philadelphia, Pennsylvania, 19106-2399, which wants to formalize the assignment and its ownership of the entire interest in the INVENTION and in any and all applications for patent thereon and in any and all Letters Patent which may be granted thereon;

NOW, THEREFORE, for valuable consideration received by Assignor, receipt and sufficiency of which is hereby acknowledged, Assignor has assigned and by this Assignment does assign to ROHM AND HAAS COMPANY, for the United States of America, its territorial possession, and for all foreign countries, the entire right, title, and interest in and to the INVENTION including the right to apply for patents, or similar protection, including any continuations, divisional, renewal, substitute, reissue or improvement applications, and to claim International Convention priority, in all such foreign countries; Assignor further agrees without further consideration to testify in any proceedings, to execute all papers, execute all divisional, continuing, continuation-in-part, reissue and foreign applications, and make all rightful oaths and declaration relating to the INVENTION, requested by the ROHM AND HAAS COMPANY; and Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding official in any foreign country to issue any Letters Patent which may be granted in the United States or foreign country, respectively, to ROHM AND HAAS COMPANY for its sole use and benefit and for its successors and assigns, to the full end of the term or terms for which said Letters Patent may be granted.

Assignor authorizes and requests insertion herein of the Serial Number 11/457,996 and filing date July 17, 2006 of said application when officially known.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature(s).

7/11/06  
Date

Nathan T. Allen  
Nathan Tait Allen

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Montgomery

:  
: SS.  
:

Nathan Tait Allen personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 11 day of July, 2006.

[SEAL] COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Kathryn O'Connor, Notary Public  
Lower Gwynedd Twp., Montgomery County  
My Commission Expires Dec. 12, 2009  
Member, Pennsylvania Association of Notaries

Kathryn O'Connor  
Notary Public

\*\*\*\*\*

7/17/06  
Date

Brian Leslie Goodall  
Brian Leslie Goodall

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF Montgomery

:  
: SS.  
:

Brian Leslie Goodall personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 17 day of July, 2006.

[SEAL] COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Kathryn O'Connor, Notary Public  
Lower Gwynedd Twp., Montgomery County  
My Commission Expires Dec. 12, 2009  
Member, Pennsylvania Association of Notaries

Kathryn O'Connor  
Notary Public

17 July 2006  
Date

Thomas Cleveland Kirk  
Thomas Cleveland Kirk

COMMONWEALTH OF PENNSYLVANIA

:  
: SS.  
:

COUNTY OF Montgomery

Thomas Cleveland Kirk personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 17 day of July, 2006.

[SEAL]

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Kathryn O'Connor, Notary Public  
Lower Gwynedd Twp., Montgomery County  
My Commission Expires Dec. 12, 2009  
Member, Pennsylvania Association of Notaries

Kathryn O'Connor  
Notary Public

\*\*\*\*\*

7/12/06  
Date

Lester Howard McIntosh III  
Lester Howard McIntosh III

COMMONWEALTH OF PENNSYLVANIA

:  
: SS.  
:

COUNTY OF Montgomery

Lester Howard McIntosh III personally appeared before me and acknowledged to me that the execution of the foregoing instrument is an act of free will and deed of this 12 day of July, 2006.

[SEAL]

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Kathryn O'Connor, Notary Public  
Lower Gwynedd Twp., Montgomery County  
My Commission Expires Dec. 12, 2009  
Member, Pennsylvania Association of Notaries

Kathryn O'Connor  
Notary Public