

Form PTO-1595

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DN **A01226**

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):Leonard Edward Bogan, Jr.; Anne Mae Gaffney; Scott Han;
Michele Doreen Heffner; Ruozhi SongAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**
☒ Assignment ☐ Change of Name
☐ Security Agreement ☐ Merger
☐ Other _____

 Execution Dates: Leonard Edward Bogan, Jr. (9/06/01);
 Anne Mae Gaffney (9/04/01); Scott Han (9/10/01); Michele Doreen
 Heffner (9/6/01)
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**Additional name(s) and address(es) attached? ☐ Yes ☒ No**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)Serial No. **10/117,908** filed **04/08/2002****B. Patent No.(s)**Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: **Marcella M. Bodner**Internal Address: **ROHM AND HAAS COMPANY****Patent Department, 7th Floor**Street Address: **100 Independence Mall West**City: **Philadelphia** State: **PA** Zip: **19106-2399****6. Total no. of applications and patents involved: [1]****7. Total fee (37 CFR 3.41): \$40.00**☐ Enclosed☒ Authorized to be charged to deposit account**8. Deposit account number:****18-1850**

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE**9. Statement and signature.**
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Marcella M. Bodner

Attorney (or Agent) Name

Registration No. **46,561**

Signature

Date

Total number of pages including cover sheet and document:

4

700073971

PATENT
REEL: 014454 FRAME: 0411

CH \$40.00 181850 10117908

Docket Number **A01226**

ASSIGNMENT

WHEREAS, **LEONARD EDWARD BOGAN, JR. of 1229 Cowpath Road, Hatfield, PA 19440; ANNE MAE GAFFNEY of 805 Copeland School Road, West Chester, PA 19380; SCOTT HAN of 4 Valerie Lane, Lawrenceville, NJ 08648; MICHELE DOREEN HEFFNER of 223 Diana Drive, Chalfont, PA 18914; RUOZHI SONG of 1344 Prospect Drive, Wilmington, DE 19809** (hereafter Assignor(s)), invented certain new and useful improvements in **RECALCINED CATALYST**, (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 10/117,908 and filing date April 8, 2002 of said application when officially known.

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

September 6, 2001
Date

Leonard Edward Bogan, Jr.
LEONARD EDWARD BOGAN, JR.

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF MONTGOMERY : SS.

Notarial Seal
Anna Marie Devlin, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Mar. 21, 2005
Member, Pennsylvania Association of Notaries

LEONARD EDWARD BOGAN, JR. 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 6 day of SEPTEMBER, 2001.

[SEAL]

Anna Marie Devlin
Notary Public

September 6, 2001
Date

Anne Mae Gaffney
ANNE MAE GAFFNEY

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF MONTGOMERY : SS.

Notarial Seal
Anna Marie Devlin, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Mar. 21, 2005
Member, Pennsylvania Association of Notaries

ANNE MAE GAFFNEY 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 6 day of SEPTEMBER, 2001.

[SEAL]

Anna Marie Devlin
Notary Public

9/10/01
Date

Scott Han
SCOTT HAN

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF MONTGOMERY : SS.

Notarial Seal
Anna Marie Devlin, Notary Public
Lower Gwynedd Twp., Montgomery County
My Commission Expires Mar. 21, 2005
Member, Pennsylvania Association of Notaries

SCOTT HAN 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 10 day of SEPTEMBER, 2001.

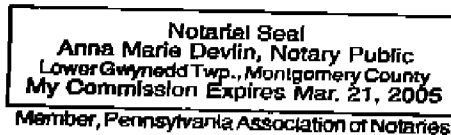
[SEAL]

Anna Marie Devlin
Notary Public

9/6/01
Date

Michele Doreen Heffner
MICHELE DOREEN HEFFNER

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF MONTGOMERY : SS.



MICHELE DOREEN HEFFNER 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 6 day of SEPTEMBER, 2001.

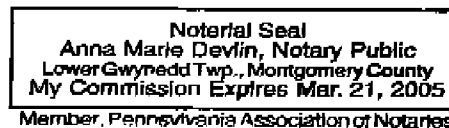
[SEAL]

Anna Marie Devlin
Notary Public

9/6/01
Date

RuoZhi Song
RUOZHI SONG

COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF MONTGOMERY : SS.



RUOZHI SONG 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 6 day of SEPTEMBER, 2001.

[SEAL]

Anna Marie Devlin
Notary Public