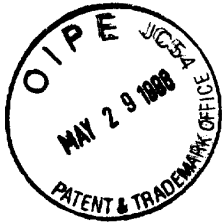


MRD 5-29-98



06-10-1998

FORM PTO-1595
Rev. 08/28/92



IT

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100734188

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

1. Name of conveying party(ies):
Peyton L. Smith
John C. Morse

2. Name and address of receiving party(ies):
THE DOW CHEMICAL COMPANY
2030 Dow Center, Abbott Road
Midland, Michigan 48640
United States of America

☐ Additional name(s) of conveying party(ies) is attached.

☐ Additional name(s) & address(es) are attached.

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Other _____

- ☐ Merger
☐ Change of Name

Execution Date(s) March 31, 1997

4. Application Number(s) or Patent Number(s): 08/823,035 Filed March 31, 1997

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

☐ Additional Application Number(s) or Patent Number(s) are attached.

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

Stephen S. Grace
The Dow Chemical Company
Patent Department
P. O. Box 1967
Midland, Michigan 48641-1967
United States of America

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed
☒ Please deduct the above fee from our Deposit Account

8. **Deposit Account 04-1512.** If this estimate is incorrect, please debit or credit our account accordingly.

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.

Dated: March 5, 1998

42,458

Deborah Crosby DuLude
Deborah Crosby DuLude
Administrative Patent Assistant
(517) 636-0630

Total number of pages including attachments: 3

PATENT
REEL: 9219 FRAME: 0765

This Assignment 990 is in the ENGLISH language and has the same meaning in other languages with the same 990 number.

(TRANSFER)

PATENT
REEL: 9219 FRAME: 0766

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

• 550 •

This Notarial Certificate 550 is in the ENGLISH language and has the same meaning in other languages with the same 550 number.

NOTARIAL CERTIFICATE (CORPORATION)

United States of America)
State of Michigan) SS
County of Midland)

On this 9 day of March 1998, personally appeared before me,

Corporate
Signator's Name
and Title

Stephen S. Grace, General Patent Counsel, The Dow Chemical Company,

known or identified to me to be the individual(s) described in and who executed the foregoing document

Transfer Assignment for and on behalf of The Dow Chemical Company,

Incorporation

and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said Corporation incorporated under the laws of the State of Delaware, United States of America.

Date and
Corporate
Authority of
Signator

I further certify that said authority, dated July 14, 1994, is based on a Resolution of the Board of Directors,

which I have seen, appointing the said individual(s) Attorney-in-Fact, with full power to sign the foregoing document on behalf of the said corporation and that the purposes for which said document is granted are within the scope of the objects or activities of said corporation.

Notary Signature



Print or Type Name
of Notary, Expiration
Date, if any, Title or
Jurisdiction Area

SEAL

Notary Public
ANN HERITIER
NOTARY PUBLIC, BAY COUNTY, MICHIGAN
ACTING IN MIDLAND COUNTY, MICHIGAN
MY COMMISSION EXPIRES DECEMBER 3, 1998

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I 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:

APPARATUS FOR REMOVAL OF PARTICULATE MATTER FROM GAS STREAMS

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:

THE DOW CHEMICAL COMPANY
2030 Dow Center
Midland, Michigan 48674
United States of America

a corporation 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 International Convention(s) and Treaties in the name of Assignee, and do hereby authorize

Assignee or its designee to insert here the

Application No. 08823,035 Filing Date MARCH 31, 1997

in country the United States of America

of this application, when received, on which the 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 No. _____ Filing Date _____

in country

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for record 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: **Plaquemine, Louisiana 70764 U.S.A.**
this 31 day of MARCH 19 97

Signature: *Peyton L. Smith*

Full Name: **Peyton L. Smith**
Residence: **11520 Goodwood Boulevard
Baton Rouge, Louisiana 70815**

Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed By: **The Dow Chemical Company**
Of Country: **United States of America**

At: **Plaquemine, Louisiana 70764** U.S.A.
this 31 day of March 1997

Signature: John C Morse
Full Name: **John C. Morse**
Residence: **14031 East Ridge Avenue
Baton Rouge, Louisiana 70817**
Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed By: **The Dow Chemical Company**
Of Country: **United States of America**

At: _____
this _____ day of _____ 19____

Signature: _____

Full Name: _____

Residence _____

Country: _____

Citizenship: _____

P. O. Address: _____

Employed By: _____

Of Country: _____

At: _____
this _____ day of _____ 19____

Signature: _____

Full Name: _____

Residence _____

Country: _____

Citizenship: _____

P. O. Address: _____

Employed By: _____

Of Country: _____

() Additional names and signatures are attached.

STATE OF LOUISIANA
Parish of Iberville SS.

I, the undersigned notary, hereby state and avow that the attached is a TRUE, CORRECT and COMPLETE photocopy made by my hand of an Individual Assignment and Inventor's Declaration executed before me on March 31, 1997.

Witness my hand and official seal this 2nd day of March, 1998.

SEAL

Randy I. Vaughn, Notary Public
Parish of Iberville, State of Louisiana
My Commission is for Life.

R.V

PATENT
REEL: 9219 FRAME: 0768

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF LOUISIANA) SS
County/Parish of Iberville)

On this 31st day of March 19 97, personally appeared

Peyton L. Smith

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

RIV SEAL

Randy I. Vaughn
Notary Public
Randy I. Vaughn, Parish of Iberville
State of Louisiana
My Commission is for Life.

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF LOUISIANA) SS
County/Parish of Iberville)

On this 31st day of March 1997, personally appeared
before me,

John C. Morse

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

Randy L. Vaughn
Notary Public
Randy L. Vaughn, Parish of Iberville
State of Louisiana
My Commission is for Life.

This Notarial Certificate 553 is in the ENGLISH language and has the same meaning in other languages with the same 553 number.

· 553 ·

This Notarial Certificate 553 is in the ENGLISH language and has the same meaning in other languages with the same 553 number.

(CORPORATE OFFICER)

NOTARIAL CERTIFICATE (CORPORATION)

United States of America)
State of Texas) SS
County of Harris)

Corporate
Signator's Name
and Title

On this 16 day of March 1998, personally appeared before me,
E.J. Troxclair, vice president

known or identified to me to be the individual(s) described in and who executed the foregoing document

Assignment (transfer)

Incorporation

and acknowledged the same as a free act and deed for uses and purposes therein expressed by authority of the said
Corporation incorporated under the laws of

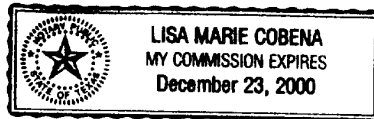
Notary Signature

Lisa Marie Cobena

Notary Public

Print or Type Name
of Notary, Expiration
Date, if any, Title or
Jurisdiction Area

SEAL



Attach this Notarial Certificate 553 to a document in the ENGLISH language.

RECORDED: 05/29/1998

PATENT
REEL: 9219 FRAME: 0770