FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

04-25-2001



U.S. Department of Commerce Patent and Trademark Office PATENT

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PATENT

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| FORM PTO-1619 Expires 06/30/99 OMB 0651-0027 | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT | | | |
|--|---|--|--|--|--|
| Correspondent | Name and Address Area Code and Telephone Number | 650-326-2400 | | | |
| Name | Joe Liebeschuetz | | | | |
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TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

| at Midland, Michigan 48674, USA this day of | enlier 2000, | | | | |
|---|--|--|--|--|--|
| | Molissa a. Waper | | | | |
| | Melissa A. Wagner Office Professional THE DOW CHEMICAL COMPANY | | | | |
| | THE DOW CHEMICAL COMPANY | | | | |
| NOTARIA | AL CERTIFICATE | | | | |
| UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of MIDLAND |)) SS) | | | | |
| On this day of law of | 20 00, personally appeared | | | | |
| Melissa A. Wagner | | | | | |
| | lividual who executed the foregoing document and and deed for uses and purposes therein expressed. | | | | |
| | Hathleen R. Maxwell | | | | |
| SEAL | Notary Public KATHLEEN L. MAXWELL | | | | |

NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JANUARY 28, 2003

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ASSIGNMENT

(with Priority Rights)

INVENTORSHIP DECLARATION

We, ASSIGNOR, of:

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, United States of America do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Joseph A. Affholter, 823 East Sanford Road, Midland, Michigan 48640, United States of America

by an Assignment dated: March 25, 1998 of an invention relating to and entitled:

RECOMBINATION OF POLYNUCLEOTIDE SEQUENCES USING RANDOM OR DEFINED PRIMERS

We do hereby declare, for good and valuable consideration assign, and transfer unto:

received, sell,

WE, the ASSIGNEE:

CALIFORNIA INSTITUTE OF TECHNOLOGY

1201 East California Boulevard Pasadena, California 91125 UNITED STATES OF AMERICA

a non-profit organization organized and existing under the laws of the State of California, United States of America our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the 08/905,359 _ and Filing Date_ Priority Number _ August 4, 1997 United States of America of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the Corresponding Application No. and Filing Date _ of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that 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. Midland, Michigan 48674, U.S.A Subscribed and Sworn by us at THE DOW CHEMICAL COMPANY CORP SEAL. STEPHEN S. GRACE

General Patent Counsel

Attach Notarial Certificate (Corporation)

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NOTARIAL CERTIFICATE (Corporation)

| UNITED STATES OF AMERICA | A) | | | | | |
|---|----------------|---------------------------|--------------------|--|--|--|
| STATE OF Michigan |) SS | | | | | |
| County/Parish of Midland |) | | | | | |
| On this day of day | if | 19 <u></u> | sonally appeared | | | |
| before me, STEPHEN S. GRACE, General Patent Counsel, THE DOW CHEMICAL | | | | | | |
| COMPANY, | | | | | | |
| known or identified to me to be the indiv | idual describe | d in and who executed the | foregoing document | | | |

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.

I further certify that said authority, dated July 14, 1994, is based on

A Resolution of the Board of Directors of the said Corporation

which I have seen, appointing the said individual **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.

SEAL

KATHLEEN L. MAXWELL NOTARY PUBLIC, MICHAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JANUARY 28, 2803

> PATENT REEL: 011700 FRAME: 0077

RECORDED: 03/28/2001