



FORM PTO-1595 Rev. 08/28/92		REC 03-20-2001 	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
11-20-00		101618089	
Assistant Commissioner for Patents		s or copy thereof.	
1. Name of conveying party(ies): Joseph A. Affholter		2. Name and address of receiving party(ies): THE DOW CHEMICAL COMPANY 2030 Dow Center Midland, Michigan 48674 UNITED STATES OF AMERICA	
<input type="checkbox"/> Additional name(s) of conveying party(ies) is attached.		<input type="checkbox"/> Additional name(s) & address(es) are attached.	
3. Nature of conveyance: x Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other _____ Execution Date(s) March 25, 1998; August 4, 1997 <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name			
4. Application Number(s) or Patent Number(s): 08/905,359 Filed on August 4, 1997 09/353,556 Filed on July 14, 1999 If this document is being filed together with a new application, the execution date of the application is: <input type="checkbox"/> Additional Application Number(s) or Patent Number(s) are attached.			
5. Name and address of party to whom correspondence concerning document should be mailed: Graham E. Taylor The Dow Chemical Company Intellectual Property 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) \$80.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> 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.	
12/05/2000 DNGUYEN 00000217 041512 08905359		80.00 CH	
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: November 17, 2000

43.517


Heather Pomranky
Administrative Patent Assistant
(517) 636-0903

Total number of pages including attachments: 5

PATENT
REEL: 011406 FRAME: 0414

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

[illegible]

This Assigned Acceptance 660 is in the **ENGLISH** language and has the same meaning in other languages with the same 660 number.

FORM 660

Attach this Assignee Acceptance 660 to an ASSIGNMENT in the English language.

PATENT
REEL: 011406 FRAME: 0415

FORM 110 (R 5/97)

Docket Ref. 43517

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(WITH PRIORITY RIGHTS)

I/we 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:

RECOMBINATION OF POLYNUCLEOTIDE SEQUENCES USING RANDOM OR DEFINED PRIMERS

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 United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. 08/905,359 Filing Date August 4, 1997

in country the United States of America

of the application, on which the claim for 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. 09/353,556 Filing Date July 14, 1999

in country the United States of America

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal 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: Midland, Michigan 48674
this 25th day of March 1998
Effective August 4, 1997

Signature: *Joseph A. Affholter*
Full Name: Joseph A. Affholter
Residence: 823 East Sanford Road
Midland, Michigan 48640
Country: United States of America
Citizenship: United States of America
P. O. Address: Same as Residence
Employed By: The Dow Chemical Company
Of Country: The United States of America

At: _____
this _____ day of _____ 19____

Signature: _____

Full Name: _____

Residence: _____

Country: _____

Citizenship: _____

P. O. Address: **Same as Residence**

Employed By: _____

Of Country: _____

At: _____
this _____ day of _____ 19____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P. O. Address: **Same as Residence**
Employed By: _____
Of Country: _____

At: _____
this _____ day of _____ 19____

Signature: _____
Full Name: _____
Residence: _____

Country: _____
Citizenship: _____
P. O. Address: **Same as Residence**
Employed By: _____
Of Country: _____

() Additional names and signatures are attached.

PATENT
REEL: 011406 FRAME: 0416

This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date:

Docket Ref. 43517

PATENT
REEL: 011406 FRAME: 0417