04-25-2001 FORM PTO-1619A U.S. Department of Commerce Expires 06/30/99 Patent and Trademark Office PATENT OMB 0651-0027 .ET 101685639 PATENTS ONLY Attorney Docket No. 018097000530 TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). **Submission Type** Conveyance Type Assignment Assignment ☐ Security Agreement Resubmission (Non-Recordation) License Change of Name Document ID # Correction of PTO Error ☐ Merger Other Reel# Frame # U.S. Government Corrective Document (For Use ONLY by U.S. Government Agencies) Reel # Frame # Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached **Execution Date** Month Day Year Name (line 1) Joseph A. Affholter 25 1998 Name (line 2) Second Party Execution Date Day Name (line 1) Name (line 2) Mark if additional names of receiving parties attached Receiving Party Name (line 1) Dow Chemical Company If document to be recorded is an assignment and the Name (line 2) receiving party is not domiciled in the United States, an appointment of a domestic Address (line 1) 2030 Dow Center representative is attached. (Designation must be a separate document from Address (line 2) Assignment.) Address (line 3) Midland Michigan 48674 City State/Country Zip Code **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1)

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	6,153,410			
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If this document is being filed together with a <u>new Patent Application</u> , enter the date the patent application was signed by the first named executing inventor.				
Patent Coopera	tion Treaty (PCT)			
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Joe Liebeschuetz	hulesitue	March 26, 2001		
Name of Person	on Signing Signature	Date		

PATENT REEL: 011700 FRAME: 0070

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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	L			
NOTARIAL CERTIFICATE				
UNITED STATES OF AMERICA) STATE OF MICHIGAN) SS County/Parish of MIDLAND)				
On this 15th day of November 200, personally appeared before me,	∍d			
Melissa A. Wagner				
known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.				
SEAL Notary Public KATHLEEN L. MAXWELL NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JANUARY 28, 2003				

PATENT REEL: 011700 FRAME: 0071

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

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

Filing Date August 4, 1997

	eby authorize Assignee or its designee (or nominee(s)) to insert here
any corresponding equivalent	T.1 1/ 1000
Application No. 09/353,556 Filing	Date July 14, 1999
in country the United States of America	
	entry's patent property must be identified and entered hereinabove
	designee to translate this Assignment into all languages necessary;
	ee; and consent to the recordal of this Assignment, or a Notarial True
	power to make the same, but also that such assigned rights are not
encumbered by any grant, license, or other right heretofore given	n.
Subscribed and Declared by me/us:	
Substitute and postated by moral.	
At: Midland, Michigan 48674	At:
this 25th day of March 1998	At:
Effective August 4, 1997	
	1 1
Signature: Joseph A. afflolter	Signature:
Full Name: Joseph A. Affholter	Full Name:
Residence: 823 East Sanford Road	Residence:
Midland, Michigan 48640	
Country: United States of America	Country:
Citizenship: United States of America	Citizenship:
P. O. Address: Same as Residence	P. O. Address: Same as Residence
Employed By: The Dow Chemical Company	Employed By:
Of Country: The United States of America	Of Country:
or country.	
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Signature:	Signature:
Full Name:	Full Name:
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() Additional names and signatures are attached	

() Additional names and signatures are attached

Application No. 08/905,359

in country the United States of America