]		M PTO-1595 08/28/92 REG	03	-20	-2001	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
		11-20-00							
		Assistant Commissioner for Patent	. 10	16	18089	.s or copy thereaf.			
	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					
		Additional name(s) of conveying party(is	es) is attached.		Additional name(s) &	address(es) are attached.			
	3.	3. Nature of conveyance: × Assignment ☐ Security Agreement ☐ Other Execution Date(s) March 25, 1998; Augu			☐ Merger ☐ Change of Name st 4, 1997				
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: Additional Application Number(s) or Patent Number(s) are attached.								
·	5.	Name and address of party to whom co- concerning document should be mailed:	·	6	. Total number of patents involved	applications and d: 1			
		Graham E. Taylor The Dow Chemical Company Intellectual Property P. O. Box 1967		7	☐ Enclosed	R 3.41) \$80.00			
12/05/2000 DNG	UYEN	Midland, Michigan 48641-19 United States of America	967	8		ount 04-1512. If this estimate is e debit or credit our account			
01 FC:581	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

DOW CASE NO. 4351 A klm

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

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

FORM 660

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

THE DOW CHEMICAL COMPANY

2030 Dow Center

Maidland Minhama ARCHA TICA

Midland, Michigan 48674

UNITED STATES OF AMERICA

hereby accept the ASSIGNMENT attached hereto which is dated: March 25, 1998

From, the ASSIGNOR:

Joseph A. Affholter, 823 East Sanford Road, Midland, Michigan 48640

of the invention entitled:

UNITED STATES OF AMERICA

RECOMBINATION OF POLYNUCLEOTIDE SEQUENCES USING RANDOM OR DEFINED **PRIMERS**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Wildland, Wilchigan 480/4, U.S.A.						
this ale day of June 1998						
THE DOW CHEMICAL COMPANY						
CORP. SIGNATURE						
SEAL SE By: Sephin Brace						
STEPHEN S. GRACE						
General Patent Counsel						

NOTARIAL CERTIFICATE (Corporation)

CIVILED STITLES OF THIRE COLL	,						
STATE OF Michigan) SS						
County/Parish of Midland)						
On this 26 day of June	19 <u>98</u> , personally appeared						
before me, STEPHEN S. GRACE, General Patent Counsel, THE DOW CHEMICAL							
COMPANY,							

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 by authority of the said Corporation incorporated under the laws of the State of Delaware, United States of

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

Notary Public

Kathleen L. Maxwell Midland County, Michigan

My Commission Expires: 01-28-2003

cent 110 is in the ENGLISB lenguage and has the same meaning in other languages with the same 110 number and R/Date

08/905,359

in country the United States of America

in country the United States of America

any corresponding equivalent Application No. 09/353,556

FORM 110 (R 5/97)

Application No. .

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

_Filing Date ___

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove

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

August 4, 1997

Filing Date July 14, 1999

and Declared by me/us:	
At: Midland, Michigan 48674	At:
At: Midland, Michigan 48674 this 35th day of March 1998	At:thisday of19
Effective August 4, 1997	
Dell Alell AL	
Signature: Joseph a. affholter	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:
	At:
At: day of 19	At:
·	
Signature:	Signature:
Full Name:	Full Name:
Residence:	Residence:
Country:	Country:
Citizenship:	Citizenship:
P. O. Address: Same as Residence	P. O. Address: Same as Residence
Employed By:	Employed By:
Of Country:	Of Country:

() Additio

Thus Assignment 220 is in the ENGLISH lunguage and has the same meaning in odder languages with the same 220 number and R/Dute.

220 #### 220 ### 220 #### 220 ### 220 ### 220 #### 220 ### 220 #### 220 #### 220 #### 220

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

FCRM 220

Docket Ref. 43517

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA STATE OF MICHIGAN County/Parish of Midland)))	SS	
On this 35 day of Mars	rch)	19 <u>98</u> , personally appeared

Joseph A. Affholter

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

KATHLEEN L. MAXWELL NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN MY COMMISSION EXPIRES JANUARY 28, 2003

PATENT REEL: 011406 FRAME: 0417

RECORDED: 11/20/2000