FORM PTO-1595 Rev. 08/28/92

10-26-2001



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	1018	87327			
	Assistant Commissioner for Patents and Trademarks: F	Please record the attached original documents or copy thereof.			
1.	Name of conveying party(ies): 0-16- Frank J. Carr	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(ies) is attached.	☐ Additional name(s) & address(es) are attached.			
3.	Nature of conveyance: x Assignment Security Agreement Other	☐ Merger ☐ Change of Name			
	Execution Date(s) June 11, 1998; Effective as of February 18, 1998 Application Number(s) or Patent Number(s):				
4.					
	09/025,403 Filed on Febru 09/672,609 Filed on Septe	1 b 20			
	If this document is being filed together with a new application Number	olication, the execution date of the application is: r(s) or Patent Number(s) are attached.			
5.		1 To the second control of the contr			
5.	Name and address of party to whom correspondence concerning document should be mailed: Graham E. Taylor The Dow Chemical Company Intellectual Property	r(s) or Patent Number(s) are attached. 6. Total number of applications and patents			
5.	Name and address of party to whom correspondence concerning document should be mailed: Graham E. Taylor The Dow Chemical Company	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$80.00 □ Enclosed ☑ Please deduct the above fee from our Deposit			
5.	□ Additional Application Number 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 □ 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			
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 □ 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.			
9.	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 □ 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.			

PATENT REEL: 012274 FRAME: 0956 FORM 110 (R 5/97)

Docket Ref. 41289A 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:

HIGH AFFINITY HUMANIZED ANTI-CEA MONOCLONAL ANTIBODIES

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");

myour entire right, thie and interest throughout the world, in and								
including provisional applications when permitted by law, for Le								
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. 09/025,403 File	ing Date February 18, 1998							
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								
interference, conflict, opposition or litigation which may arise inv								
execute for any and all countries any document relating to applica	ations derived from, corresponding to or equivalent to the above							
identified application as Assignee may request; and I/we do herel	by authorize Assignee or its designee (or nominee(s)) to insert here							
any corresponding equivalent								
Ameliansian No. 1072 1009 Eiling I	Date September 28,2000							
in country the United States of americ	a							
to the above Priority application of any country where that cour	ntry's patent property must be identified and entered hereinabove							
for recordal of this Assignment. I/we authorize Assignee or its d	esignee to translate this Assignment into all languages necessary;							
and we request that any such Letters Patent be issued to Assigned	e; 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								
, , , , , , , , , , , , , , , , , , , ,								
Subscribed and Declared by me/us:								
•								
At: Midland, Michigan 48674 USA	At: West Wratting, CB1 TLU, United Kingdom							
this day of 19	this day of 19							
Effective as of February 18, 1998	Effective as of February 18, 1998							
Effective as of rebitally 10, 1990	Directive as of restaury 16, 1996							
Signature:	Signature:							
Full Name: W.H. Kerr Anderson	Full Name: Philip R. Tempest							
,	Residence: 43 High Street							
Residence: 5112 Cortland Street	, <u>,</u>							
Midland, Michigan 48642	West Wratting, Cambridge, CB1 5LU							
Country: United States of America	Country: United Kingdom							
Citizenship: United Kingdom	Citizenship: United Kingdom							
P. O. Address: Same as Residence	P. O. Address: Same as Residence							
Employed By: The Dow Chemical Company	Employed By: Scotgen Corporation*							
Of Country: United States of America	Of Country: United Kingdom							
At: Aberdeen, AB24 3RY, United Kingdom	At: Aberdeen, AB25 2ZO, United Kingdom							
this 11th day of over 1998	this day of 19 Effective as of February 18, 1998							
Effective as of Fabruary 18, 1998								
Effective as our doctary 10, 1990	Eliobato do di Podrana, 10, 1970							
Signatura:	Signature:							
Signature:	Full Name: William J. Harris							
1 \								
Residence: Birchlea	Residence: 18 Queen Street							
The Holdings, Balmedie, AB23 8XR	Carnoustie, Angus DD7 7AB							
Country: United Kingdom	Country: United Kingdom							
Citizenship: United Kingdom	Citizenship: United Kingdom							
P. O. Address: Same as Residence	P. O. Address: Same as Residence							
Employed By: Scotgen Corporation*	Employed By: Scotgen Corporation*							
Of Country: United Kingdom	Of Country: United Kingdom							

(X) Additional names and signatures are attached.

FORM 113

Page two of two

Docket Ref. 41289A

Additional names, addresses and signatures to be attached to Form No. 110 Entitled: INDIVIDUAL ASSIGNMENT AND INVENTORS DECLARATION

At: West Wratting, CB1 5LU, UK	, At:	
this day of 19	At: day of	19
Effective as of February 18, 1998		
Signature:	Signature:	
Full Name: Kathryn Armour	Full Name:	
Residence: 43 High Street	Residence:	
West Wratting, Cambridge CB1 5LU		
Country: United Kingdom	Country:	
Citizenship: United Kingdom	Citizenship:	
P. O. Address: Same as Residence	P. O. Address:	
Employed By: Scotgen Corporation*	Employed By:	
Of Country: United Kingdom	Of Country:	
•	31 3331127.	
Δt·		
At: this day of 19	At: day of	
uns tay or 19	this day of	19
	i	
Signature:	1	
Full Name:	Signature:	
	Full Name:	
Residence:	Residence:	
	1	
Country:	Country:	
Citizenship:	Citizenship:	
P. O. Address:	P. O. Address:	
Employed By:	Employed By:	
Of Country:		
•	Of Country:	
· ·		
At: day of 19	At.	
this day of 19	At: day of	19
	day of	19
Signature:	Ni-matum.	
Full Name:	Signature:	
Residence:	Full Name:	
	Residence:	
Country:		
Citizenship:	Country:	
P. O. Address:	Citizenship:	
	P. O. Address:	
Employed By:	Employed By:	
Of Country:	Of Country:	
	Oi County.	
	1	
At:	At:	
this day of 19	this day of	19
	}	
Signature:	Signature:	
Full Name:	Full Name:	
Residence:	Residence:	
NONE CONTROL	1	
Country	Country:	
Country:	Citizenship:	
Citizenship:		
P. O. Address:	P. O. Address:	
Employed By:	Employed By:	
Of Country:	Of Country:	

PATENT REEL: 012274 FRAME: 0958

^{*}At time of invention.

FORM 222

Assignment 222 is in the ENGLISH language and has the same meaning in other languages with the same 222 number and R/Date

Docket Ref. 41289A

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMER STATE OF MICHIGAN County/Parish of Midland) SS		
On this day of before me,			, personally appeared
known or identified to me foregoing document and a purposes therein expressed	to be the individu cknowledged the		
SEAL		Notary Public	
NOTA	RIAL CERTIF	ICATE (INDIVI	DUAL)
UNITED KINGDOM STATE OF County/Parish of)) SS)		
On this day of before me,		19	, personally appeared
known or identified to me foregoing document and a purposes therein expresse	to be the individu acknowledged the	R. Tempest al described in and same as a free act	d who executed the and deed for uses and
SEAL		Notary Public	
NOTA	ARIAL CERTIF	ICATE (INDIV	idual)
STATE OF SCOTTAND County/Parish of ABERT)) SS DEED fine		
On this day of before me, BARRY NIC PLACE, ABERDEEN known or identified to me foregoing document and purposes therein expresse	acknowledged the		8 personally appeared PUBLIC OF IT ALBYN and who executed the and deed for uses and Cawern
₩ add NAd			

PATENT RECORDED: 10/16/2001 REEL: 012274 FRAME: 0959