IN THE UN: RECO 101568757

ADEMARK OFFICE SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Francis J. Giles Jean Bédard Robert F. Rando DEC 2 6 2000	2. Name and address of receiving party(ies): Name: BioChem Pharma Inc.			
No additional names attached 🛛				
3. Nature of Conveyance: ☑ assignment ☐ merger ☐ security agreement ☐ change of name	Address: 275 Armand-Frappier Boulevard Laval, Quebec, Canada H7V 4A7			
□ other	No additional names(s) or address(es) attached -			
	EXECUTION DATE: 11/8/00; 11/6/00; 11/18/00			
4. Application number(s) or patent THIS APPLICATION IS NOT BEING B	number(s): FILED WITH A NEW APPLICATION.			
A. Patent Application Number(s)	B. Patent Number(s)			
09/667,326				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. Address: Arlington Court Plaza I Suite 1400 2200 Clarendon BLVD. Arlington, VA 22201	 6. Total number of applications and patents involved: 2 7. Total fee (37CFR 3.41) \$80.00 ☑ Check enclosed ☐ Charge any deficiencies in the payment of fees associated with this communication or credit any overpayment to 8. DEPOSIT ACCOUNT NO. 13-3402 			
2001 DHGUYEN 00000063 09667326 DO NOT USE	THIS SPACE			

01 FC:581

40.00 pp 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 December 26, 2000

Brion P. Heaney

Attorney

Total number of pages including cover sheet, attachments and Attorney Docket #PHARMA 104

documents: 4 K:\PAT\PHARMA\104\Recordation 12-26-00.wpd

> **PATENT REEL: 011374 FRAME: 0139**

ASSIGNMENT

PHARMA 104

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

METHOD FOR THE TREATMENT OF PREVENTION OF VIRAL INFECTION USING NUCLEOSIDE ANALOGUES

		_	II (II II O O O D D	
	for which an application for	Letters Patent to be filed in the	United States Patent and Traden	ark Office was executed on even date.
•	for which U.S. Application S	erial No. <u>09/667,326</u>	for Letters Patent was filed in	the U.S. Patent and Trademark Office on
	September 22, 200	00		
	for which an International Ap	oplication was filed on	as	, designating the United States.
	AND WHEREAS	BioChem Pharma Inc. 275 Armand-Frappier E Laval, Quebec, CANAD	Soulevard OA H7V 4A7	

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held

and its assigns and regar representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR purposes and requirement of Patents and Tradaments to issue a Letters Patent on said application, and on

In connection with riling said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	1,\ 8\00
Francis J. Giles	INVENTOR'S SIGNATURE	DATE
FULL NAME OF SECOND JOINT INVENTOR	INVENTOR O BIOLINI	
Jean Bédard	INVENTOR'S SIGNATURE	DATE
3 FULL NAME OF THIRD JOINT INVENTOR		
Robert F. Rando	INVENTOR'S SIGNATURE	DATE
04 FULL NAME OF FOURTH JOINT INVENTOR		DATE
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	55
FULL NAME OF FIFTH JOINT IN THE	INVENTOR'S SIGNATURE	DATE
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	
	INVENTOR'S SIGNATURE	DATE
207 FULL NAME OF SEVENTH JOINT INVENTOR .*		
	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR		DATE
	INVENTOR'S SIGNATURE	D
209 FULL NAME OF NINTH JOINT INVENTOR		DATE
TONE INVENTOR	INVENTOR'S SIGNATURE	
210 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
211 FULL NAME OF ELEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	
211 FULL NAME OF ELEVEN	INVENTOR'S SIGNATURE	DATE
212 FULL NAME OF TWELFTH JOINT INVENTOR	MARKION = -	

K:\PAT\PHARMA\104\Assignment.wpd

PATENT REEL: 011374 FRAME: 0140

ASSIGNMENT

PHARMA 104

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

METHOD FOR THE TREATMENT OF PREVENTION OF VIRAL INFECTION USING NUCLEOSIDE ANALOGUES

	for which an application for	Letters Patent to be filed in the	United States Patent and Tradema	ark Office was executed on even date.
-	for which U.S. Application S	Serial No. 09/667,326	for Letters Patent was filed in t	the U.S. Patent and Trademark Office on
	September 22, 200	00		
	for which an International Ap	oplication was filed on	as	, designating the United States.
	AND WHEREAS	BioChem Pharma Inc. 275 Armand-Frappier B Laval, Quebec, CANAD		

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held

and its assigns and legial representatives, in as ample and onletical a mainter to an intents and purposes as the Assignvok inight of could have need and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the said applications and securing Letters Patents there on the papers of the papers of the said applications and securing Letters Patents there on the papers of the

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

01 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Francis J. Giles		
2 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Jean Bédard	1 Klan (Sed Cu X	NOV 6/1500
3 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Robert F. Rando		DATE
4 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	
	INVENTOR'S SIGNATURE	DATE
5 FULL NAME OF FIFTH JOINT INVENTOR	INVENIOR SSIGNATOR	
	INVENTOR'S SIGNATURE	DATE
6 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR S S.C.	
	INVENTOR'S SIGNATURE	DATE
107 FULL NAME OF SEVENTH JOINT INVENTOR	INVESTOR S	
	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
211 FULL NAME OF ELEVENTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
212 FULL NAME OF TWELFTH JOINT INVENTOR	\	

K:\PAT\PHARMA\104\Assignment.wpd

PATENT REEL: 011374 FRAME: 0141

ASSIGNMENT

PHARMA 104

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

METHOD FOR THE TREATMENT OF PREVENTION OF VIRAL INFECTION USING NUCLEOSIDE **ANALOGUES**

		-		
	for which an application i	for Letters Patent to be filed in the	United States Patent and Tradema	ark Office was executed on even date.
_	for which U.S. Application	on Serial No. 09/667,326	_ for Letters Patent was filed in t	he U.S. Patent and Trademark Office on
	September 22,	2000		
	for which an Internationa	Application was filed on	as	, designating the United States.
	AND WHEREAS	BioChem Pharma Inc. 275 Armand-Frappier E Laval, Quebec, CANAD	Boulevard DA H7V 4A7	

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all any and all Letters Patent which may be granted inerefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in accordance to the files and explications and securing Letters Patents thereon.

said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be necessary in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further the undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation destriction which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation destriction which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation destriction. of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

I FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
Francis J. Giles	INVENTOR'S SIGNATURE	DATE
2 FULL NAME OF SECOND JOINT INVENTOR		
Jean Bédard	INVENTOR'S SIGNATURE	DATE
3 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR SECURIOR	Nov. 18,2000
Robert F. Rando	Shoultends	DATE
4 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	
4 1000 144		DATE
A COUNTY HOUSE BUYENTION	INVENTOR'S SIGNATURE	DATE
5 FULL NAME OF FIFTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
06 FULL NAME OF SIXTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR 6 515.	
in 1 day in a second and a second a second and a second a	The state of the s	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	1
208 FULL NAME OF EIGHTR JOHN IN 1999		DATE
	INVENTOR'S SIGNATURE	
209 FULL NAME OF NINTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
210 FULL NAME OF TENTH JOINT INVENTOR		
	INVENTOR'S SIGNATURE	DATE
211 FULL NAME OF ELEVENTH JOINT INVENTOR	INVENTOR 3 SIGNAT	}
211 FULL NAME OF ELEVEN THE		DATE
DUTNITOR	INVENTOR'S SIGNATURE	1
212 FULL NAME OF TWELFTH JOINT INVENTOR		

K:\PAT\PHARMA\104\Assignment.wpd

PATENT RECORDED: 12/26/2000 REEL: 011374 FRAME: 0142