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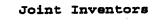
—— — () 	UU	03-3	0-20	00		
FORM PTO-1595 1-31-92	R					MENT OF COMMERCE t and Trademark Office
To The Honorable Commissioner of thereof.	f Patents unc	1013	0262	4	attached original	documents or copy
Name of conveying party(ies): Nicholas M. Dean		2. Name and address of receiving party(les): Name: SIS Pharmaceuticals, Inc.				
Additional name(s) of conveying party(ies) attached? () YES (X) NO			Street Address: 2292 Faraday Avenue			
3. Nature of Conveyance: (X) Assignment () Merger () Security Agreement () Change of Name			City: C	arisbad		
			State (California	Z	IP 92008
() Other: Execution Date(s): October 22, 1998			Additional name(s) & address attached? ()YES (X)NO			
 Application number(s) or patent if this document is being filed to A. Patent Application No.(s) 	ogether with	a new appi	B. Pat	ent No.(s)		cation is:
Additional numbers at 5. Name and address of party to whom correspondence concerning documents should be mailed:					of applications and	patents involved:
Name: Paul K. Legaard Internal Address: WOODCOCK W. MACKIEWICZ & NORRIS LLP One Liberty Place - 46th Floor Philadelphia, Pennsylvania 19103-	ASHBURN KL	JRTZ	7. Tot (X)	Enclosed	CFR 3.41):o be charged to De 050	
Street Address: WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP One Liberty Place - 46th Floor 1650 Market Street Philadelphia, Pennsylvania 19103-7301			Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050			
/29/2000 BCDATES 00000183 09117901		O NOT US	E THIS	SPACE		
9. Statement and signature To the best of my knowledge and copy of the original document. Paul K. Legaard/Reg. No. 38,534	belief, the fo			P %	correct and any a	ttached copy is a true February 25, 2000 Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231

> PATENT REEL: 010638 FRAME: 0292



DOCKET NO.: ISNO-0058

(Pending Application; Serial No. Unknown)

ASSIGNMENT

WHEREAS, Nicholas M. Dean, Pierre Martin and Karl-Heinz Altmann, hereinafter referred to as the assignors, residing respectively at 2110 Whisper Wind Lane, Olivenhain, California 92024; Meisenweg 38, CH-4310 Rheinfelden, Switzerland; Tanneweg 5, CH-4153, Reinach, Switzerland, are the joint inventors of certain inventions or improvements for which they have made application for Letters Patent to the United States, identified as Case No. ISNO-0058, entitled METHOXYETHOXY OLIGONUCLEOTIDES FOR MODULATION OF PROTEIN KINASE C EXPRESSION; and

WHEREAS, ISIS Pharmaceuticals, Inc. hereinafter referred to as the assignee, of 2292 Faraday Avenue, Carlsbad CA 92008, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby have sold, assigned, acknowledged, I, Nicholas M. Dean, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, my entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed

> PATENT **REEL: 010638 FRAME: 0293**



and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and I agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of my entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct my attorneys to insert below* the serial number and filing date of said application now identified as Case No. ISNO-0058 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, I have hereunto set my hand and

seal.

Nicholas M. Dean

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PATENT REEL: 010638 FRAME: 0294

____(L.S.)



State of Colifornia: SS COUNTY OF San Diego:

On this day of _______, 1997, before me personally came the above named Nicholas M. Dean to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the use and purposes therein set

forth.

LANE B.D. SCHWARTZ
Commission # 1196197
Notary Public - California
San Diego County
My Comm. Expires Sep 13, 2002

*The above assignment covers application Serial No. 09/117,901 , filed on January 7, ______, 1999_.

The above insertion made by me this <u>25</u> day of <u>February</u>, 2000

of WOODCOCK WASHBURN KURTZ MACKIEWICZ

Notary Public

& NORRIS LLP

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PATENT
RECORDED: 02/28/2000 REEL: 010638 FRAME: 0295

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