09-02-1998



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ess Mail No.: TB 686 626 2

Attorney Docket Number

8656-022

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS Box Assignment Washington, DC 20231

REC

∞	Please record the attached original documents or copy thereof.		
	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Z	Guiying Li Seiji Kondo	Name: The Cleveland Clinic Foundation	
	John K. Cowell	Address: 9500 Euclid Avenue	
	Additional name(s) of conveying party(ies) attached? Yes	© No Cleveland, Ohio 44195	
1	3. Nature of conveyance:		
	⊠ Assignment ☐ Merger	Country (if other than USA):	
	☐Security Agreement ☐Change of Name		
	Other		
	Execution Date: July 30, 1998 and August 6, 1998		
	4. Application number(s) or patent number(s):		
	If this document is being filed together with a new application, the execution date of the application is:		
	4. Patent Application No.(s) 09/018,125	B. Patent No.(s)	
l	Additional numbers attached? Yes No		
	Name and address of party to whom correspondence concerning document should be mailed:	6. Number of applications and patents involved:	
	PENNIE & EDMONDS LLP 1155 Avenue of the Americas	7. Total fee (37 CFR 3.41):	
08/25	New York, NY 10036 //1998 JSHABAZZ 00000078 161150 09018125	8. Deposit account number: 16-1150	
1	4581 40.00 CH		
	DO NOT USE THIS SPACE		
	original document.	formation is true and correct and any attached copy is a true copy of the	
	Brian M. Poissant Name of Person Signing Reg. No. 28,462 Sign	August 19, 1998 ature Date	
	By (nithou My morpha (Ry No Folk	al number of pages including cover sheet: 5	

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignment Washington, D.C. 20231

PENY4-734045.1

ASSIGNMENT

WHEREAS, We, Robert H. Silverman, residing at 24609 Letchworth Road, Beachwood, OH 44122, a citizen of the United States of America, Seiji Kondo, residing at 20826 Fairmount Blvd., Shaker Heights, OH 44118, a citizen of Japan, John K. Cowell, residing at 14808 Shaker Blvd., Shaker Heights, OH 44120, a citizen of the United Kingdom, and Guiying Li, residing at 5011 South Alaton Avenue, Durham, North Carolina 27713, a citizen of the Peoples Republic of China, are co-inventors with Paul F. Torrence of RNase L ACTIVATORS AND ANTISENSE OLIGONUCLEOTIDES EFFECTIVE TO TREAT TELOMERASE-EXPRESSING MALIGNANCIES, for which we have executed an application for a Patent of the United States

- which is identified by Pennie & Edmonds LLP docket no. 8656-022
- which was filed on February 3, 1998 as Application No. 09/018,125

and WHEREAS, THE CLEVELAND CLINIC FOUNDATION, 9500 Euclid Avenue, Cleveland, Ohio 44195, ASSIGNEE is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, and for other good and valuable consideration pursuant to the terms and conditions of the Major Policies for the Professional Staff of the Cleveland Clinic, that were effective October, 1995, We, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE 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 or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that WE have full right to convey our entire interest herein assigned, and that WE have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that WE will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TEST	IMONY WHEREOF, WE he	reunto set my hand and seal this day of, 19	, 1998.
		L	.S.
		Robert H. Silverman	
State of)) SS.:		
County of)		
County aforesaid,	personally appeared ROBEI	, 1998, before me, a Notary Public in and for the State a RT H. SILVERMAN , to me known and known to me to be the persong instrument, and he acknowledged the same to be his free act and decomposition.	or
		Notary Pub	ic.

PATENT

PENY4-691076.1

REEL: 9411 FRAME: 0131

Date:	} - 6	28 Seiji KONDO L.S.
State of OHIC)) \$5.:	
On this <u>6</u> County aforesaid, pe	day of <u>Augus</u> rsonally appeared <u>Seij</u>	, 1998, before me, a Notary Public in and for the State and KONDO, to me known and known to me to be the person of that name, ent, and he acknowledged the same to be his free act and deed.
		Mathin & Stule Notary Public.
Date: 6# /	Jugust, 199	John K. Cowell
State of ONCO) /) SS.:	
On this <u>//</u> County aforesaid, pe	th day of <u>augu</u> rsonally appeared <u>John</u>	, 1998, before me, a Notary Public in and for the State and K. Cowell, to me known and known to me to be the person of that name, ent, and he acknowledged the same to be his free act and deed.
		MARTINA E. STEELE Notary Public, State of Onio Recorded in Cuyahoga Cty. Publication Chypanoga Cty. Notary Public.
Date:	, 1998	L.S. Guiying LI
State of) County of) SS.:)	
County aforesaid, pe		, 1998, before me, a Notary Public in and for the State and iving LI, to me known and known to me to be the person of that name, ent, and he acknowledged the same to be his free act and deed.
		Notary Public.

PATENT PENY4-691076.1

ASSIGNMENT

WHEREAS, We, Robert H. Silverman, residing at 24609 Letchworth Road, Beachwood, OH 44122, a citizen of the United States of America, Seiji Kondo, residing at 20826 Fairmount Blvd., Shaker Heights, OH 44118, a citizen of Japan, John K. Cowell, residing at 14808 Shaker Blvd., Shaker Heights, OH 44120, a citizen of the United Kingdom, and Guiying Li, residing at 5011 South Alaton Avenue, Durham, North Carolina 27713, a citizen of the Peoples Republic of China, are co-inventors with Paul F. Torrence of RNase L ACTIVATORS AND ANTISENSE OLIGONUCLEOTIDES EFFECTIVE TO TREAT TELOMER ASE-EXPRESSING MALIGNANCIES, for which we have executed an application for a Patent of the United States

1171 Main 5+., Apt. #8, Stanford CT 0640 S

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- which was filed on February 3, 1998 as Application No. 09/018,125

and WHEREAS, THE CLEVELAND CLINIC FOUNDATION, 9500 Euclid Avenue, Cleveland, Ohio 44195, ASSIGNEE is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, and for other good and valuable consideration pursuant to the terms and conditions of the Major Policies for the Professional Staff of the Cleveland Clinic, that were effective October, 1995, We, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE 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 or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that WE have full right to convey our entire interest herein assigned, and that WE have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that WE will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIM	ONY WHEREOF, WE he	ereunto set my hand and seal this day of	. 1998.
114 12011	ioni wildidol, walk	= = = = = = = = = = = = = = = = =	
		Robert H. Silverman	L.S.
State of)		
County of) SS.:)		
On this	day of	, 1998, before me, a Notary Public in and for the	State and
		RT H. SILVERMAN, to me known and known to me to be ting instrument, and he acknowledged the same to be his free act	
		Notai	ry Public.

PATENT

PENY4-691076.1

REEL: 9411 FRAME: 0133

Date:	, 1998	L.S.
		Seiji KONDO
State of))	
County of)	
	sonally appeared <u>Seiji K</u> (, 1998, before me, a Notary Public in and for the State and ONDO_, to me known and known to me to be the person of that name, and he acknowledged the same to be his free act and deed.
		Notary Public.
Date:	, 1998	L.S.
		John K. Cowell
State of)) SS.:	
County of)	
		Cowell , to me known and known to me to be the person of that name, , and he acknowledged the same to be his free act and deed. Notary Public.
Date: July	<u>ろめ</u> , 1998	Guiying LI
State of) CT) SS.:	
County of New Ha	1	_
County aforesaid, per		
		Jacenu M. G. Notary Public.
		V
		My Commission Expires April 30, 2003