PATENT

Attorney Docket No.: CASE-03147

F PTO 1606	08-18-1998	T	U.S. Department of Commerce
Form PTO-1595			Patent and Trademark Office
To the Honorable Commissioner of Pa.	100796379	.tached o	riginal documents or copy thereo
Name of conveying party(ies):	2.	Name and address	s of receiving party(ies):
Daniel R. Robinson Hsing-Jien Kung	about de N	Case Western Reserve University 10900 Euclid Avenue Cleveland, Ohio 44195 Additional name(s) & address(es) attached? No	
Additional name(s) of conveying party(ie S. Nature of conveyance:	s) attached? Ivo	Additional name(s) &	address(es) attached? No
Assignment			
Execution Date: 07/09/98			
4. Title of Invention: Analys Application number(s) or patent i A. Patent Application No.(s	1	B. Patent No	o.(s):
,	,		5.(6).
09/073,407	A A A Company 1	10. 31	
5 3 1 11 6 4 1	Additional numbers attache	a: No	
5. Name and address of party to wh concerning document should be n		Total number of a	pplications and patents involved
Peter G. Carroll	7.	Total fee(s):	
MEDLEN & CARROLL, LLP 220 Montgomery Street, Suite 22 1990 BALEXSER, 49200004 (39234407) nia 94104	00	to file missing par	mount of \$160.00 enclosed (\$65) rts application, \$40.00 recordation or month extension.
581 40.00 ap	8.	Deposit Account A	
		The Commissione any additional fee: Deposit Account	r is hereby authorized to charge s or credit any overpayment to No. 08-1290. An originally e of this transmittal is enclose
	DO NOT USE THIS SPA	ACE	
9. Statement and Signature:			
To the best of my knowledge and is a true copy of the original docu	ument.		and any attached copy
2 110. 110gust 0, 1770	Signatu		<u> </u>
	Name	Peter G/Carboll/	
	Name: Reg. No	Peter G/Carroll/ o.: 32,837	

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ASSIGNMENT

WHEREAS, WE, Daniel R. Robinson and Hsing-Jien Kung, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Analysis of Gene Family Expression

Filing Date:

05/06/98

Serial No.:

09/073,407

WHEREAS, Case Western Reserve University, a corporation, 10900 Euclid Avenue, Cleveland, Ohio 44195, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Daniel R. Robinson

Heing lien Karo

STATE OF Ok.o

COUNTY OF Canaloga

SS.

Cal G B. Mall # NOTARY PUBLIC

SEAL

CARL P. B. MAHLER II, Atty. Notary Public, State of Ohio My comm. has no expir. date Section 147.03 R.C.

PATENT

REEL: 9380 FRAME: 0890