PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Terence Tai-Li Hwa	03/08/2004
Ulrich Gerland	03/07/2004
Nicolas Buchler	03/04/2004

RECEIVING PARTY DATA

Name:	The Regents of the University of California	
Street Address:	1111 Franklin Street, 5th Floor	
City:	Oakland	
State/Country:	CALIFORNIA	
Postal Code:	94607	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10537950

CORRESPONDENCE DATA

Fax Number: (619)744-5478

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Address Line 4: San Diego, CALIFORNIA 92101-4469

ATTORNEY DOCKET NUMBER:	111845-0057 (US3087)
NAME OF SUBMITTER:	Eleanor M. Musick

Total Attachments: 3

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ASSIGNMENT

1. <u>Terence Tai-</u>	ì Hwa	2	Ulrich Gerland	
3. <u>Nicolas Buch</u>	ler	4		
hereby sell, assign business at 1111 Fr	and transfer to assignee, and transfer to assignee, and the street, 5th Floor, Oa	nkland, Calied wht title and	f the University of Californ Trnia 94607, and its success interest for the United Sta nd all improvements which	tes and its territorial
	GENETIC COMPUTING USING	G COMBINATOR	IAL TRANSCRIPTION CONTROL	
and which is found	in			
(a) U.S. named	patent application executed persons as inventors;	on	, entitled as above	e and listing the above
(b <u>X</u> U.S.	provisional application ser	ial no. <u>60/4</u>	31,904 , filed on <u>December</u>	9, 2002_;
(c) U.S.	Patent No.:	, iss	ued	: and/or
	pplication No. <u>PCT/US03/3</u>			
including the right the above applicat reexamination or ex Protection of Indus	to claim priority and, in a ion or any continuation, d tension of said Letters Pat trial Property;	ind to, all Le Hivision, ext ent and all r	any legal equivalent thereof tters Patent to be obtained ension or substitute there ights under all Internation	eof, and any reissue, al Conventions for the
ASSIGNOR(5) hereby entered into which	covenants that no assignmen would conflict with this as	t, sale, agre signment;	ement or encumbrance has be	en or will be made or
and documents relat accessible to ASSIGI thereto and will pr instruments or affi invention and said i	ing to said invention and s NORS and will testify as to comptly execute and deliver davits required to apply fo etters Patent and said equi	taid Letters I the same in a to ASSIGNEE or, obtain, m valents there s authorized	uest, be provided promptly we catent and legal equivalent on interference, litigation or its legal representative aintain, issue or enforce to which may be necessary or and requested by the execut umber of said application who is the execut of the execut units of the execut of the	is as may be known and or proceeding relating we any and all papers, said application, said desirable to carry out ion of this assignment
AND the <u>ASSIGNOR(S)</u> United States and ar	requests the Commissioner of reissue or extension there	of Patents an eof to the ASS	d Trademarks to issue said IGNEE, The Regents of the Un	Letters Patent of the Diversity of California.
executed this day of	1arch, 2004	Signa 1. <u>'</u>	TERENCE TAI-LI HWA	
day of	, 200	2	ULRICH GERLAND	
day of	, 200	3	NICOLAS BUCHLER	
day of	200	4.		

PATENT REEL: 017715 FRAME: 0641

ASSIGNMENT

For good and	valuable considerati	on, the receipt of	which is hereby acknowledged, ASSIGNOR(S),	
1. <u>Terenc</u>	e Tai-Li Hwa		2. Ulrich Gerland	
3. <u>Nicola</u>	s Buchler	·····	4	-
business at 1	.111 Franklin Street, res of the ASSIGNEE al and in all foreign c	-5 th Floor, Oakland, Lof their right, ti	egents of the University of California, having , California 94607, and its successors, assigns itle and interest for the United States and its i , any and all improvements which are disclos	territoria
	GENETIC CO	MPUTING USING COM	BINATORIAL TRANSCRIPTION CONTROL	
and which is	found in			
(a)	U.S. patent applica named persons as in	ation executed on nventors;	, entitled as above and listing	g the above
(b <u>X</u>	U.S. provisional ag	oplication serial no	o. <u>60/431,904</u> , filed on <u>December 9, 2002</u> ;	
(c)	U.S. Patent No.:			nd/or
(d) <u>X</u>	PCT application No.	. <u>PCT/US03/38995</u> .	, filed on <u>December 9, 2003</u> ,	
including the the above ap reexamination Protection of	eright to claim prio plication or any co n or extension of sai f Industrial Property	rity and, in and to, ntinuation, division d Letters Patent and: :	o, and any legal equivalent thereof in a foreig , all Letters Patent to be obtained from said in on, extension or substitute thereof, and any nd all rights under all International Conventional Le, agreement or encumbrance has been or will	y reissue, ons for the
entered into	which would conflict	with this assignme	ent;	
and documents accessible to thereto and a instruments of invention and the purposes	s relating to said in a ASSIGNORS and will will promptly execut or affidavits require a said Letters Patent thereof — An attorne	evention and said Le testify as to the sa te and deliver to AS to apply for, ob and said equivalent by of record is auth	its request, be provided promptly with all pert etters Patent and legal equivalents as may be ame in any interference, litigation or proceeding SSIGNEE or its legal representative any and a ptain, maintain, issue or enforce said applicates thereof which may be necessary or desirable to norized and requested by the execution of this serial number of said application when official	known and relating lang relating language langua
AND the <u>ASSIG</u> United States	NOR(S) requests the and any reissue or e	Commissioner of Patextension thereof to	tents and Trademarks to issue said Letters Pat the ASSIGNEE, The Regents of the University of G	ent of the California
executed this	;		Signature of Inventor(s)	
	1.0		1. TERENCE TAI-LI HWA	
day of	March	<u>. 2004</u>	2. ULRICH GERLAND	-
day of		, 200	3. NICOLAS BUCHLER	-
day of		. 200	4.	

PATENT REEL: 017715 FRAME: 0642

ASSIGNMENT

For good and valuable consideration, the receipt of w	which is hereby acknowledged, ASSIGNOR(S),
1. Terence Tai-li Hwa	2. <u>Ulrich Gerland</u>
3. <u>Nícolas Buchler</u>	4
business at 1111 Franklin Street, 5th Floor, Oakland,	gents of the University of California, having a place of California 94607, and its successors, assigns and legal tle and interest for the United States and its territorial any and all improvements which are disclosed in the
GENETIC COMPUTING USING COME	SINATORIAL TRANSCRIPTION CONTROL
and which is found in	
(a) U.S. patent application executed on named persons as inventors;	, entitled as above and listing the above
(b X U.S. provisional application serial no	. <u>60/431,904</u> , filed on <u>December 9, 2002</u> ;
(c) U.S. Patent No.:	
(d) X PCT application No. <u>PCT/US03/38995</u> ,	filed on <u>December 9, 2003</u> ,
including the right to claim priority and, in and to,	o, and any legal equivalent thereof in a foreign country, all Letters Patent to be obtained from said invention by on, extension or substitute thereof, and any reissue, all rights under all International Conventions for the
<u>ASSIGNOR(S)</u> hereby covenants that no assignment, sale entered into which would conflict with this assignmen	e, agreement or encumbrance has been or will be made or nt:
and documents relating to said invention and said Le accessible to ASSIGNORS and will testify as to the sar thereto and will promptly execute and deliver to AS instruments or affidavits required to apply for, obtinvention and said Letters Patent and said equivalents the purposes thereof. An attorney of record is authorized.	its request, be provided promptly with all pertinent facts tters Patent and legal equivalents as may be known and me in any interference, litigation or proceeding relating SIGNEE or its legal representative any and all papers, cain, maintain, issue or enforce said application, said thereof which may be necessary or desirable to carry out prized and requested by the execution of this assignment erial number of said application when officially known.
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Pate United States and any reissue or extension thereof to	ents and Trademarks to issue said Letters Patent of the the ASSIGNEE, The Regents of the University of California.
executed this	Signature of Inventor(s)
day of, 200	1TERENCE TAI-LI HWA
day of, 200	2. HI DICH CEDI AND
4th day of March . 2004	2. ULRICH GERLAND 3. Micala Buckle NICOLAS BUCHLER

PATENT REEL: 017715 FRAME: 0643

RECORDED: 06/02/2006

_____ day of ______, 200____