Form PTO -1619A Expires 06/30/99 OMB 0651-0027

08-21-2001

U.S. Department of Commerce Patent and Trademark Office **PATENT**

RECORDA'.



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()	Correction of PTO Error Reel # Frame # Corrective Document Reel # Frame #	() Merger	U.S. G	Other overnment Y by U.S. Government A	The state of the s
Conve	ying Party(ies) (X) Mark	if additional names	of conveying pa	rties attached	
Name	(line 1) <u>C. Alexander Turner, Jr.</u>				Execution Date Month Day Year 07 10 01
Second Name ((line 1) Brian Mathur				Execution Date Month Day Year 05 31 01
Receivi	ing Party () Mark if	additional names of	receiving partic	es attached	
Name ((line 1) <u>Lexicon Genetics Incorporated</u> (line 2) (line 1) <u>4000 Research Forest Drive</u>			() If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation
Address	(line 2)				must be a separate document from Assignment.)
Address	(line 3) The Woodlands, city	TX/US State/Cour		7738 <u>1</u> Zip Code	
Domestic Representative Name and Address Enter for the first Receiving Party only.					
Na	nme				
Address	(line 1)				
Address	(line 2)				
Address	(line 3)				
Address	(line 4)				
8/21/2001 1 FC:581	6 GTDN11 00000030 500892 09765069 40.00 CH	FOR OFFICE USE	ONLY		

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> Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

> > **PATENT**

U.S. Department of Commerce Form PTO-1619C RECORDATION FORM COVER SHEET Patent and Trademark Office Expires 06/30/99 CONTINUATION **PATENT** OMB 0651-0027 PATENTS ONLY () Mark if additional names of conveying parties attached **Conveying Party(ies)** Enter additional Conveying Parties **Execution Date** Month Day Year Name (line 1) Glenn Friedrich 08 01 06 Name (line 2) **Execution Date** Name (line 1) Brian Zambrowicz Month Day Year 20 01 06 Name (line 2) Name (line 1) Arthur T. Sands **Execution Date** Month Day Year Name (line 2) 21 01 06 () If document to be recorded is () Mark if additional names of receiving parties attached **Receiving Party** an assignment and the Enter additional Receiving Party(ies) receiving party is not domiciled in the United States, Name (line 1) an appointment of a domestic representative is attached. Name (line 2) (Designation must be a separate document Address (line 1) from Assignment.) Address (line 2) Address (line 3) State/Country Zip Code City () If document to be recorded is Name (line 1) an assignment and the receiving party is not Name (line 2) domiciled in the United States, an appointment of a Address (line 1) domestic representative is attached. (Designation must be a separate document Address (line 2) from Assignment.) Address (line 3) State/Country Zip Code City () Mark if additional numbers attached Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

PATENT REEL: 012077 FRAME: 0413

Patent Number(s)

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027		Pa	ge 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Corresponde	nt Name and Address A	ea Code and Telepho	ne Number (281) 863-3333		
Name	Lance K. Ishimoto				
Address (line 1)	Lexicon Genetics Incorporat	ted			
Address (line 2)	4000 Research Forest Drive				
Address (line 3)	The Woodlands, TX 77381				
Address (line 4)					
Pages	Enter the total number of paincluding any attachments.	ges of the attached co	nveyance document	#6_	
Application N	Number(s) or Patent Nu	nber(s)	() Mark if a	dditional numbers attached	
Enter eith	er the Patent Application Nun	iber or the Patent Num	aber (DO NOT ENTER BOTH nun	nbers for the same property).	
	Patent Application Number(s)	Paten	Number(s)	
09/765,		-,			
	s being filed together with a <u>new</u> t named executing inventor.	Patent Application, ent	er the date the patent application wa	is Month Day Year	
	ration Treat (PCT)				
only if	PCT application number a U.S. Application Number been assigned.	PCT PCT	PCT PCT	PCT PCT	
Number of Properties		Enter the total 1	number of properties involved.	#1	
Fee Amount Fee Amount Pee Amount		e Amount for Propert Enclosed ()	ies Listed (37 CFR 3.41): Deposit Account (X)	\$40.00	
(Enter f	or payment by deposit account of		be charged to the account.) Account Number:	#	
		Authori	zation to charge additional fees:	Yes (X) No ()	
Statement and	d Signature				
attach		e original documen	ng information is true and corr nt. Charges to deposit account	are authorized, as	
Lance K. Ishimoto Name of Person Signing Peg No. 41 866		ZuelCleho	by het of heg NO HA	08/08/01 Date	

PATENT REEL: 012077 FRAME: 0414

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Lexicon Genetics Incorporated

a corporation organized under the laws of the state of as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

Novel Human GABA Receptor Proteins and Polynucleotides Encoding the Same

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>LEX-0123-USA</u>, at Lexicon Genetics Incorporated 4000 Research Forest Drive, The Woodlands, TX 77381, and filed on <u>1/18/2001</u>, as Application Serial No. <u>09/765,069</u>, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Lance K. Ishimoto, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our name(s) on the day and year set forth below.

C. Alexander Turner, Jr.
(Inventor's Typed Name)

STATE OF TEXAS
)
SS
COUNTY OF MONTGOMERY)

On this WW day of JWW, before me personally came the above named C. Alexander Turner, Jr. who is personally known or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

MICHELLE KLEIN
Notary Public, State of Texas
My Commission Expires
February 13, 2005

NOTARY PUBLIC

My Commission Expires:

3-N. Mit	5/31/01
Inventor (signature)	DATE
Brian Mathur	_
(Inventor's Typed Name)	
STATE OF TEXAS)) SS	
COUNTY OF MONTGOMERY)	
On this day of, or proved to me on the basis of satisfactory evidence to be the that he/she executed the same of his/her own free will for the use	, before me personally came the above named <u>Brian Mathur</u> who is personally known same individual who executed the foregoing assignment, and who acknowledged to me and purposes therein set forth.
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	NOTARY PUBLIC My Commission Expires: 2 3 05
Inventor (signature)	DATE 68 01
Glenn Friedrich (Inventor's Typed Name)	_ -
STATE OF TEXAS	
COUNTY OF) Harris) SS	
On this 8th day of Jure 2001	, before me personally came the above named Glenn Friedrich who is personally known
or proved to me on the basis of satisfactory evidence to be the that he/she executed the same of his/her own free will for the use	same individual who executed the foregoing assignment, and who acknowledged to me
that he/she executed the same of his her own fee with for the use	NOTARY PUBLIC My Commission Expires: 7 26 05
Dran Dampron	DATE (
Inventor (signature)	DATE '
Brian Zambrowicz (Inventor's Typed Name)	_
STATE OF TEXAS)) SS	
COUNTY OF MONTGOMERY)	L. C. Tambrowicz who is personally
known or proved to me on the basis of satisfactory evidence to	be the same individual who executed the foregoing assignment, and who acknowledged
to me that he/she executed the same of his/her own free will for the	he use and purposes therein set forth.
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	NOTARY PUBLIC My Commission Expires: Z 3 05

Page 2 of 3

PATENT

alle Color Sac	10/21/01
Inventor (signature)	DATE
Arthur T. Sands	_
(Inventor's Typed Name)	
STATE OF TEXAS)) SS	
COUNTY OF MONTGOMERY)	
On this day of June, 200 or proved to me on the basis of satisfactory evidence to be the that he/she executed the same of his/her own free will for the use	_, before me personally came the above named <u>Arthur T. Sands</u> who is personally known same individual who executed the foregoing assignment, and who acknowledged to me and purposes therein set forth.
JULIA OGREN MY COMMISSION EXPIRES JULY 23, 2001	NOTARY PUBLIC My Commission Expires: 72301

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION.

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Lexicon Genetics Incorporated

a corporation organized under the laws of the state of as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

Novel Human GABA Receptor Proteins and Polynucleotides Encoding the Same

IN WITNESS WHEREOF, we have hereunto signed our name(s) on the day and year set forth below.

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>LEX-0123-USA</u>, at Lexicon Genetics Incorporated 4000 Research Forest Drive, The Woodlands, TX 77381, and filed on <u>1/18/2001</u>, as Application Serial No. <u>09/765,069</u>, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Lance K. Ishimoto, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Inventor (signature)

C. Alexander Turner, Jr.
(Inventor's Typed Name)

STATE OF TEXAS

) SS

COUNTY OF MONTGOMERY)

On this ______ day of ______, ____, before me personally came the above named <u>C. Alexander Turner, Jr.</u> who is personally known or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires: _______

Page 1 of 3

PATENT REEL: 012077 FRAME: 0418

3-N Mit	5/31/01
Inventor (signature)	DATE
Brian Mathur	
(Inventor's Typed Name)	
STATE OF TEXAS)) SS	
COUNTY OF MONTGOMERY)	
On this 31St day of MAU,	, before me personally came the above named Brian Mathur who is personally known
or proved to me on the basis of satisfactory evidence to that he/she executed the same of his/her own free will for t	be the same individual who executed the foregoing assignment, and who acknowledged to m
	11:11/20/20
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	NOTARY PUBLIC My Commission Expires: 21305
Inventor (signature)	DATE
Glenn Friedrich	DATE
(Inventor's Typed Name)	
STATE OF)	•
) SS COUNTY OF)	
On this,,,	, before me personally came the above named Glenn Friedrich who is personally known
or proved to me on the basis of satisfactory evidence to that he/she executed the same of his/her own free will for the same of his/her own free will be a same of his/her own free	be the same individual who executed the foregoing assignment, and who acknowledged to me
	NOTARY PUBLIC
	My Commission Expires:
Inventor (signature)	DATE
Brian Zambrowicz	
(Inventor's Typed Name)	
STATE OF TEXAS)	
) SS COUNTY OF MONTGOMERY)	
On this day of, known or proved to me on the basis of satisfactory evider to me that he/she executed the same of his/her own free wil	, before me personally came the above named <u>Brian Zambrowicz</u> who is personally ice to be the same individual who executed the foregoing assignment, and who acknowledged for the use and purposes therein set forth.
	NOTA DV DITRIC
	NOTARY PUBLIC
	My Commission Expires:
	Page 2 of 3

PATENT

nventor (signature)	DATE
Arthur T. Sands	
Inventor's Typed Name)	
STATE OF TEXAS)	
) SS	
COUNTY OF MONTGOMERY)	
or proved to me on the basis of satisfactory evidence to be the s	, before me personally came the above named <u>Arthur T. Sands</u> who is personally known ame individual who executed the foregoing assignment, and who acknowledged to me
hat he/she executed the same of his/her own free will for the use a	nd purposes therein set forth.
	NOTARY PUBLIC
	My Commission Expires:

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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		Application Number		r	09/765,069		
TRANSMITTAL			Filing Date		Jan 18, 2001		
FORM			First Named Inventor		Turner, Jr., C. Alexander		
:			Group Art Unit		1645		
(to be used for all cor	respondence afte	er initial filing)	Examiner Name		to be assigned		
Total Number of P	ages in This Subr	mission 10	Attorney Docket Number		LEX-0123-USA		
		ENCLOSUR	ES (check all that a	pply)			
		X Assignmer			After Allowance Communication to Group		
Fee Attache	ed [Drawing(s)	<u> </u>		Appeal Communication to Board of Appeals and Interferences		
Amendment / Rep	oly	Licensing-	-related Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
After Final]	Petition	ition		Proprietary Information		
Affidavits/d	eclaration(s)		to Convert to a nal Application		Status Letter		
Extension of Time	e Request	Power of Attorney, Revocation Change of Correspondence Address		Other Enclosure(s) (please identify below):			
Express Abandon	ıment Request	Terminal Disclaimer			return postcard Recordation Form Cover Sheet		
Information Disclo	osure Statemen	Request for Refund		1			
Certified Copy of Document(s)	Priority	CD, Number of CD(s)					
Response to Missing Parts/ Incomplete Application		Remarks 2 sets of Assignments/ 6 pages total		tal			
	to Missing Parts FR 1.52 or 1.53						
	SIGN	IATURE OF AP	PLICANT, ATTORNEY	OR A	GENT		
Firm	Sidit	INJUNE OF A	LIOAN, ANTONIAL.	, 0.1.71			
or La	or Lance K. Ishimoto Reg. No. 41,866						
Signature Lace Clanto by letter fr Reg 116 40/62					62		
Date August 8, 2001							
OFFICIATE OF MAILING							
CERTIFICATE OF MAILING Live of the state of							
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: August 8, 2001							
Typed or printed name Michelle Klein .							
Signature Date August 8, 2001				August 8, 2001			

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RECORDED: 08/13/2001

PATENT REEL: 012077 FRAME: 0421