

PATENT ASSIGNMENT

Electronic Version v08
 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Execution Date
LEWIS T. WILLIAMS	2004-08-30
JAIME ESCOBEDO	2004-08-26
MICHAEL A. INNIS	2004-11-02
PABLO DOMINGUEZ GARCIA	2004-08-25
JULIE SUDDUTH-KLINGER	2004-09-02
CHRISTOPH REINHARD	2004-08-26
KLAUSE GIESE	2004-09-20
GIULIA KENNEDY	2004-08-05
DAVID POT	2004-08-21
ALTAF KASSAM	2004-08-24
GEORGE LAMSON	2004-08-24
ZHIJUN HE	2004-08-06
ELIZABETH SCOTT	2004-08-25
GUOZHONG ZHANG	2004-08-24
THERESA MAY	2004-08-09
DOREEN SAKAMOTO	2004-08-24
FILIPPO RANDAZZO	2004-08-25

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
CHIRON CORPORATION	P.O. BOX 8097	INTELLECTUAL PROPERTY - R440	EMERYVILLE	CALIFORNIA	94662-0097

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10779543

CORRESPONDENCE DATA

FAX NUMBER: 6503273231

800017139

**PATENT
 REEL: 015796 FRAME: 0845**

CH \$40.00 500815 10779543

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

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 024353

NAME OF PERSON SIGNING:	James S. Keddie
DATE SIGNED:	2005-03-17

Total Attachments: 34

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source=Sakamoto2.tif

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **LEWIS T. WILLIAMS** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
60/072,910	01/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1481PRV	PP-1481.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
60/080,664	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS I	2300-1483PRV	PP-1483.001
60/080,666	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1484PRV	PP-1484.001
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60/085,426	05/14/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V	2300-1487PRV	PP-1487.001
60/085,537	05/15/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS VI	2300-1488PRV	PP-1488.001
60/085,696	05/15/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS VII	2300-1489PRV	PP-1489.001
60/101,900	09/25/1998	DIAGNOSTIC AND THERAPEUTIC METHODS USING MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER CELLS	2300-1490PRV	PP-1490.001
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
60/102,180	09/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS IX	2300-1492PRV	PP-1492.001
60/102,161	09/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS X	2300-1493PRV	PP-1493.001
60/102,380	09/29/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XI	2300-1494PRV	PP-1494.001
60/103,815	10/ 8/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.


INVENTOR/ASSIGNOR: LEWIS T. WILLIAMS

Date: 08/30/08



Signature

I hereby witness the signing by Lewis T. Williams of this "Assignment of Application" document.



Signature of Witness

Ami

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **JAIME ESCOBEDO** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

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NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

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AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: JAIME ESCOBEDO

Date: 8/26/04

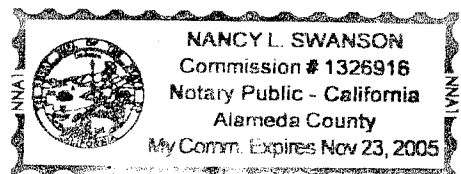
Jaime Escobedo
Signature

State of California
County of Alameda

On 8/26/04 before me, Nancy L. Swanson, Notary Public, personally appeared JAIME ESCOBEDO, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **MICHAEL A. INNIS** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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60/080,664	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS I	2300-1483PRV	PP-1483.001
60/080,666	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1484PRV	PP-1484.001
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10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

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IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

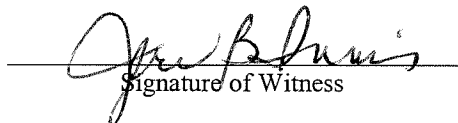
Date: 2 Nov 04

INVENTOR/ASSIGNOR: MICHAEL A. INNIS



Signature

I hereby witness the signing by Michael A. Innis of this "Assignment of Application" document.


Signature of Witness

Pablo

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **PABLO DOMINGUEZ GARCIA** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
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AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his/her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: PABLO DOMINGUEZ GARCIA

Date: 8/25/04

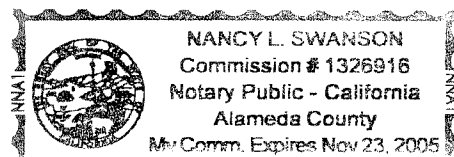
Pablo Dominguez Garcia
Signature

State of California
County of Alameda

On 8/25/04 before me, Nancy L. Swanson, Notary Public, personally appeared PABLO DOMINGUEZ GARCIA, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **JULIE SUDDUTH-KLINGER** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
60/072,910	01/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1481PRV	PP-1481.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
60/080,664	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS I	2300-1483PRV	PP-1483.001
60/080,666	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1484PRV	PP-1484.001
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60/085,426	05/14/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V	2300-1487PRV	PP-1487.001
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60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his/her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: JULIE SUDDUTH-KLINGER

Date: 9/2/04

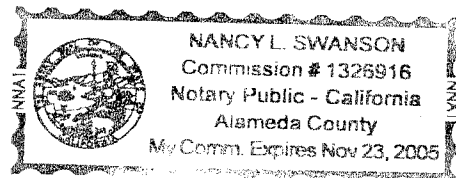
Julie Sudduth-Klinger
Signature

State of California
County of Alameda

On 9/2/04 before me, Nancy L. Swanson, Notary Public, personally appeared JULIE SUDDUTH-KLINGER, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

Chiron

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **CHRISTOPH REINHARD** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his/her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: CHRISTOPH REINHARD

Date: 08/26/2004

C. Reinhard

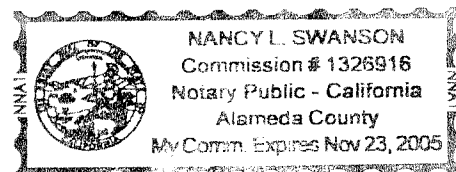
Signature

State of California
County of Alameda

On 8/26/04 before me, Nancy L. Swanson, Notary Public, personally appeared CHRISTOPH REINHARD, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

PATENT
REEL: 015796 FRAME: 0858

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **KLAUS GIESE** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: KLAUS GIESE

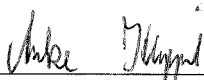
Date:

Sept 22, 2004



Signature

I hereby witness the signing by Klaus Giese of this "Assignment of Application" document.


Signature of Witness

(Anke Wippel)

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **FILIPPO RANDAZZO** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his/her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: FILIPPO RANDAZZO

Date: 8/25/04

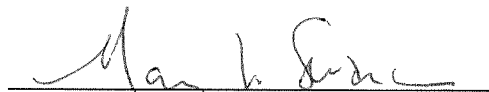


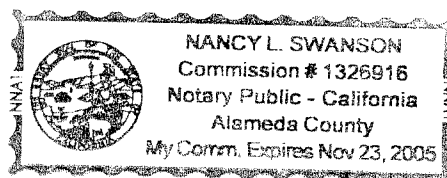
Signature

State of California
County of Alameda

On 8/25/04 before me, Nancy L. Swanson, Notary Public, personally appeared FILIPPO RANDAZZO, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Notary Seal

PATENT
REEL: 015796 FRAME: 0862

Kennedy

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **GIULIA KENNEDY** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
60/072,910	01/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1481PRV	PP-1481.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
60/080,664	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS I	2300-1483PRV	PP-1483.001
60/080,666	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS II	2300-1484PRV	PP-1484.001
60/080,515	04/03/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS III	2300-1485PRV	PP-1485.001
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60/085,426	05/14/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS V	2300-1487PRV	PP-1487.001
60/085,537	05/15/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS VI	2300-1488PRV	PP-1488.001
60/085,696	05/15/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS VII	2300-1489PRV	PP-1489.001
60/101,900	09/25/1998	DIAGNOSTIC AND THERAPEUTIC METHODS USING MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER CELLS	2300-1490PRV	PP-1490.001
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
60/102,180	09/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS IX	2300-1492PRV	PP-1492.001
60/102,161	09/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS X	2300-1493PRV	PP-1493.001
60/102,380	09/29/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XI	2300-1494PRV	PP-1494.001
60/103,815	10/ 8/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: GIULIA KENNEDY

Date: 8/5/04

Giulia Kennedy
Signature

I hereby witness the signing by Giulia Kennedy of this "Assignment of Application" document.

L. M. L.
Signature of Witness

D. Pot

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **DAVID POT** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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60/085,537	05/15/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS VI	2300-1488PRV	PP-1488.001
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60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

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NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

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AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his/her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: DAVID POT

Date: August 21/2004

David Alan Pot
Signature

I hereby witness the signing by David Pot of this "Assignment of Application" document.

[Signature]
Signature of Witness

Altaf

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **ALTAF KASSAM** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

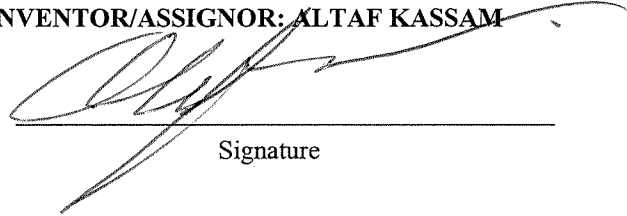
AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: **ALTAF KASSAM**

Date:

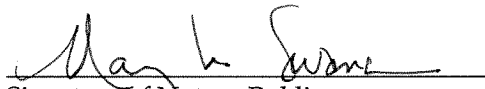
8/24/04

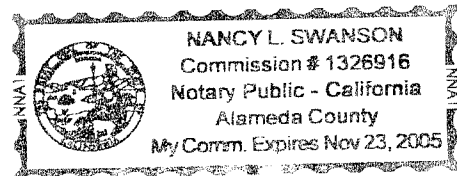

Signature

State of California
County of Alameda

On 8/24/04 before me, Nancy L. Swanson, Notary Public, personally appeared **ALTAF KASSAM**, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Notary Seal

George

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **GEORGE LAMSON** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/068,755	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2300-1480PRV	PP-1480.001
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60/102,161	09/28/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS X	2300-1493PRV	PP-1493.001
60/102,380	09/29/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XI	2300-1494PRV	PP-1494.001
60/103,815	10/ 8/1998	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said **Assignee**, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: GEORGE LAMSON

Date: 8/24/04

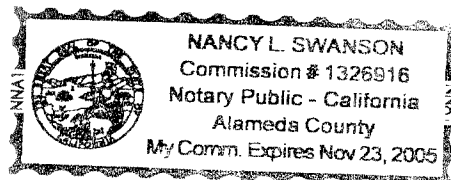
George Lamson
Signature

State of California
County of Alameda

On 8/24/04 before me, Nancy L. Swanson, Notary Public, personally appeared GEORGE LAMSON, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/~~their~~ authorized capacity(ies), and that by his/~~her~~/~~their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

3. He

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **ZHIJUN HE** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.


AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed his name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: ZHIJUN HE

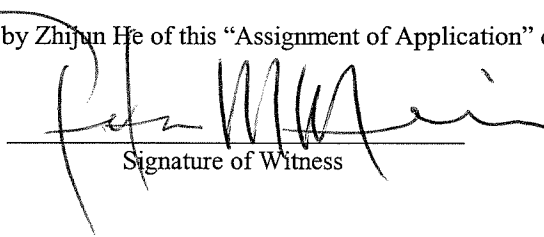
Date:

8/6/2004



Signature

I hereby witness the signing by Zhijun He of this "Assignment of Application" document.



Signature of Witness

best

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **ELIZABETH SCOTT** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: ELIZABETH SCOTT

Date: 8/25/04

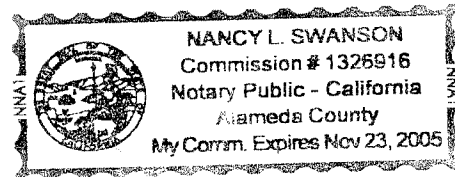
Elizabeth M. Scott
Signature

State of California
County of Alameda

On 8/25/04 before me, Nancy L. Swanson, Notary Public, personally appeared ELIZABETH SCOTT, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s); or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

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ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **GUOZHONG ZHANG** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed ^{his/} her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: GUOZHONG ZHANG

Date: 24 Aug 2004

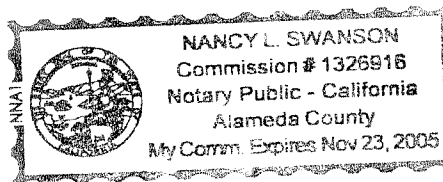
Guozhong Zhang
Signature

State of California
County of Alameda

On 8/24/04 before me, Nancy L. Swanson, Notary Public, personally appeared GUOZHONG ZHANG, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

T May

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **THERESA MAY** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: THERESA MAY

Date: 8/9/04

Theresa May
Signature

I hereby witness the signing by Theresa May of this "Assignment of Application" document.

Carolyn Bell
Signature of Witness

Sitani

ASSIGNMENT OF APPLICATION

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THIS ASSIGNMENT, by **DOREEN SAKAMOTO** (hereinafter referred to as the **Assignor**) witnesseth:

WHEREAS, the said **Assignor** has co-invented certain new and useful improvements in:

Serial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
60/532,830	12/23/2003	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/779,543	02/12/2004	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II	2300-21302	PP-21302.001

and

WHEREAS, **Chiron Corporation**, a corporation duly organized under and pursuant to the laws of the State of Delaware, and having its principal place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA (hereinafter referred to as the **Assignee**) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said **Assignor** has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the **Assignee**, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention(s), applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, applications claiming priority benefit of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said **Assignee**, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the **Assignor**, had this sale and assignment not been made.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said **Assignor** is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said **Assignor** has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said **Assignor** hereby covenants and agrees to and with said **Assignee**, its successors, legal representatives and assigns, that said **Assignor** will, whenever counsel of said **Assignee**, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said **Assignee**, its successors, legal representatives and assigns, but at the cost and expense of said **Assignee**, its successors, legal representatives and assigns.

AND the said **Assignor** hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said **Assignee** as the **Assignee** of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, **Assignor** has hereunto signed her name to this "Assignment of Application" on the date indicated below.

INVENTOR/ASSIGNOR: DOREEN SAKAMOTO

Date: 8/24/04

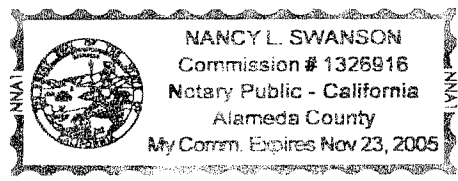
Doreen E Sakamoto
Signature

State of California
County of Alameda

On 8/24/04 before me, Nancy L. Swanson, Notary Public, personally appeared DOREEN SAKAMOTO, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L Swanson
Signature of Notary Public



Notary Seal