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	IIP O BOX 8097	INTELLECTUAL PROPERTY - R440	EMERYVILLE	IICAI IFORNIA	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 10

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=Williams2.tif

source=Escobedo1.tif

source=Escobedo2.tif

source=Innis1.tif

source=Innis2.tif

source=PGarcia1.tif

source=PGarcia2.tif

source=Klinger1.tif

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source=Zhang1.tif

source=Zhang2.tif

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source=May2.tif

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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	Chiron Docket No.
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/068,755	12/23/1997	PRODUCTS	2300-1480PRV	PP-1480.001
-		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/072,910	01/28/1998	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
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
(0)000 (66		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666	·····	PRODUCTS II	2300-1484PRV	PP-1484.001
60/080 515		NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS III	2200 1495DDX	DD 1495 001
00/080,313	04/03/1998	r RODUCTS III	2300-1485PRV	PP-1483.001
60/080,114	03/31/1998	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
		NOVEL HUMAN GENES AND GENE EXPRESSION	4	
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537	·	PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900			2300-1490PRV	PP-1490.001
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
		PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	CANCEROUS CELLS AND THEIR METHODS OF USE I I	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:

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 abovementioned, 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

Signature

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

Signature of Witness

Dans.

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		Atty. Docket No.	Chiron Docket No.
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/068,755		PRODUCTS	2300-1480PRV	PP-1480.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/072,910	01/28/1998	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
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664	04/03/1998	PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666	04/03/1998	PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114	03/31/1998	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426	05/14/1998	PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696	05/15/1998	PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900	09/25/1998	CELLS	2300-1490PRV	PP-1490.001
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180	09/28/1998	PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161	09/28/1998	PRODUCTS X	2300-1493PRV	PP-1493.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/103,815		PRODUCTS XII	2300-1495PRV	PP-1495.001
		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
,		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543		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:

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 abovementioned, 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: JAIME ESCOBEDO

Signature

State of California County of Alameda

On Solution Defore 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.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alameda County
My Corryn. Expires Nov 23, 2005

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:

C IN	17:11: 1 - 4 -	TITLE	Atty. Docket No.	Chiron Docket No.
Serial No.	Filing date	NOVEL HUMAN GENES AND GENE EXPRESSION	110.	Bocket 110.
60/069 755		PRODUCTS	2300-1480PRV	PP-1480.001
00/008,733		NOVEL HUMAN GENES AND GENE EXPRESSION	2500 1100110	
60/072 910		PRODUCTS II	2300-1481PRV	PP-1481.001
00/072,910	01/20/1990	1 RODGC13 II		
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664	04/03/1998	PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666	04/03/1998	PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114	03/31/1998	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426	05/14/1998	PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537	05/15/1998	PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696	05/15/1998	PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		7 1 100 001
60/101,900			2300-1490PRV	
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180	09/28/1998	PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161	09/28/1998	PRODUCTS X	2300-1493PRV	PP-1493.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380	09/29/1998	PRODUCTS XI	2300-1494PRV	PP-1494.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		DD 1405 001
		PRODUCTS XII	2300-1495PRV	
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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:

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 abovementioned, 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.

Date: 2 NOV 04

Signature

INVENTOR/ASSIGNOR: MICHAEL A. INNIS

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

Janature of Witness

PATENT

REEL: 015796 FRAME: 0852

Palel

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:

CIN-		THE PARTY IS	Atty. Docket	Chiron
Serial No.	Filing date	NOVEL HUMAN GENES AND GENE EXPRESSION	No.	Docket No.
60/068 755		PRODUCTS	2300-1480PRV	PP-1480.001
00/008,733		NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1480FRV	FT-1480.001
60/072 910		PRODUCTS II	2300-1481PRV	PP-1481.001
00,0,2,510	01/20/1990		2200 1.01111.	11.01.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION	,	
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/000 114	02/21/1009	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
00/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1480PRV	PP-1480.001
60/085 426	1	PRODUCTS V	2300-1487PRV	PP-1487.001
00/005,120		NOVEL HUMAN GENES AND GENE EXPRESSION	2500-140/1107	11-1407.001
60/085,537	i	PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696	05/15/1998	PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900			2300-1490PRV	PP-1490.001
60/105,234		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
60/102 161	3	NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS X	2200 1402DDV	DD 1402 001
00/102,101		NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1493PRV	PP-1493.001
60/102 380		PRODUCTS XI	2300-1494PRV	PP-1494.001
00/102,500		NOVEL HUMAN GENES AND GENE EXPRESSION	2500-1454110	11-1454.001
60/103,815	l .	PRODUCTS XII	2300-1495PRV	PP-1495.001
		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
60/532,830	1	CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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:

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 abovementioned, 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: PABLO DOMINGUEZ GARCIA

State of California

County of Alameda

On ________ 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.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alameda County
Mr Comm. Expires Nov 23, 2005

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:

CIN-	17:1:	TOTAL Y	Atty. Docket	Chiron
Serial No.	Filing date		No.	Docket No.
60/069 755		NOVEL HUMAN GENES AND GENE EXPRESSION PRODUCTS	2200 1400	77 1400 001
00/008,733		NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1480PRV	PP-1480.001
60/072 010		PRODUCTS II	2200 1401	77 1101 001
00/072,910	01/28/1998	PRODUCISII	2300-1481PRV	PP-1481.001
60/075,954		NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		:
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900	09/25/1998	CELLS	2300-1490PRV	PP-1490.001
60/105,234	10/21/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180	09/28/1998	PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161	09/28/1998	PRODUCTS X	2300-1493PRV	PP-1493.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380	09/29/1998	PRODUCTS XI	2300-1494PRV	PP-1494.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/103,815	10/ 8/1998	PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543		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:

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 abovementioned, 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

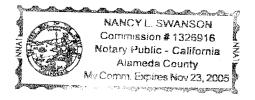
Date: $\frac{9}{2}/2/64$

State of California County of Alameda

On _________ 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.

Signature of Notary Public



Notary Seal

Chil

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:

Sovial No.	Filing date	TITLE	Atty. Docket No.	Chiron Docket No.
Serial No.		NOVEL HUMAN GENES AND GENE EXPRESSION	No.	Docket No.
60/068 755		PRODUCTS	2300-1480PRV	PP-1480.001
00,000,755		NOVEL HUMAN GENES AND GENE EXPRESSION	2500-1-1001101	11-1400.001
60/072.910		PRODUCTS II	2300-1481PRV	PP-1481.001
00,072,710	01/20/1990		2500 1 1011 101	11 1101.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION	-	
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
	i .	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
60/005 406		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 44057774	DD 4405 004
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
60/095 527		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 1400DDV	DD 1400 001
00/083,337		PRODUCTS VI NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1488PRV	PP-1488.001
60/085 606		PRODUCTS VII	2300-1489PRV	PP-1489.001
00/083,090		DIAGNOSTIC AND THERAPEUTIC METHODS USING	2300-1469FKV	FF-1489.001
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900			2300-1490PRV	PP-1490.001
		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
00/103,231		NOVEL HUMAN GENES AND GENE EXPRESSION	2500-1471110	1 1151.001
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
, , , , , , , , , , , , , , , , , , , ,		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/103,815	10/ 8/1998	PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	CANCEROUS CELLS AND THEIR METHODS OF USE I I	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:

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 abovementioned, 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: CHRISTOPH REINHARD

Date: 08/26/2004

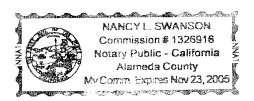
Signature

State of California County of Alameda

On 8 26 00 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.

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 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	Chiron Docket No.
	9	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/068,755	12/23/1997	PRODUCTS	2300-1480PRV	PP-1480.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/072,910	01/28/1998	PRODUCTS II	2300-1481PRV	PP-1481.001
60/075,954		NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664	<u> </u>	PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
60/005 606		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
60/101 000		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900			2300-1490PRV	PP-1490.001
60/100 100		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
60/100 161		NOVEL HUMAN GENES AND GENE EXPRESSION		L
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
60/100 200		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
(0/102.015		NOVEL HUMAN GENES AND GENE EXPRESSION	2222 4 42 57 77 77	
		PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/550 510		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/ / /9,543	02/12/2004	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:

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 abovementioned, 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: KLAUS GIESE

Date: 20, 20, 204

Signature

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

Signature of Witness

(Ankle 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		Atty. Docket No.	Chiron Docket No.
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/068,755		PRODUCTS	2300-1480PRV	PP-1480.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/072,910	01/28/1998	PRODUCTS II	2300-1481PRV	PP-1481.001
60/075,954		NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
	I .	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426	 	PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
	1	DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900			2300-1490PRV	
60/105,234		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
		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
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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:

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 abovementioned, 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	
RANDAZZO, personally known to me OR proved to mame is subscribed to the within instrument and acknown	her/their signature(s) on the instrument the person(s), or the
WITNESS my hand and official seal.	NANCY L. SWANSON Commission # 1326916 Notary Public - California Alameda County My Comm. Expires Nov 23, 2005

Signature of Notary Public

Notary Seal

Kenn L

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:

Cartal Na		TOTAL TO	Atty. Docket	Chiron
Seriai No.	Filing date	TITLE NOVEL HUMAN GENES AND GENE EXPRESSION	No.	Docket No.
60/068 755	1	PRODUCTS	2300-1480PRV	PP-1480.001
00/008,733		NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1460FRV	11-1400.001
60/072 010	i .	PRODUCTS II	2300-1481PRV	PP-1481.001
00/072,910	01/26/1996	1 RODUCIS II	2300-14611 KV	11-1401.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114		NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
	5	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
60/101 000		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER	2200 1 1007771	DD 1400 001
60/101,900			2300-1490PRV	
60/105,234		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
50/100 151		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 4 400 777	
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
60/100 000		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 4 40 47774	
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
(0/102.015		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 1405777	DD 1405 001
		PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
10/770 715		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN	2200 21202	
10///9,543	02/12/2004	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:

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 abovementioned, 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.

Date: ____8/5/04 | Jinlie Kennedy
Signature

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

Signature of Witness

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.
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/068,755	12/23/1997	PRODUCTS	2300-1480PRV	PP-1480.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/072,910	01/28/1998	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
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664		PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666		PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080,114	<u> </u>	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
50,1007,105		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,426		PRODUCTS V	2300-1487PRV	PP-1487.001
50,005,505		NOVEL HUMAN GENES AND GENE EXPRESSION		L
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
60/005 606	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696		PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
60/101 000		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER	2200 1400000	77 1400 001
60/101,900			2300-1490PRV	
60/105,234		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
60/400 400		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
60/100 161		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
60/102 200		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
(0/102 015		NOVEL HUMAN GENES AND GENE EXPRESSION	2200 14057775	DD 1405 005
		PRODUCTS XII	2300-1495PRV	PP-1495.001
60/105,877	10/27/1998	MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
40/7770 745	00/10/202	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/7/9,543	02/12/2004	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:

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 abovementioned, 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: DAVID POT

Signature

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

Date: alegant 2//2004

Signature of Witness

Altal

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:

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

Date: 8/24/04

INVENTOR/ASSIGNOR: ALTAF KASSAM

Signature

State of California

County of Alameda

On S 2 0 0 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

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alameda County
My Corren. Expires Nev 23, 2005

Notary Seal

Genz

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:

G . IN			Atty. Docket	Chiron
Serial No.	Filing date	NOVEL HUMAN GENES AND GENE EXPRESSION	No.	Docket No.
60/069 755	12/22/1007	PRODUCTS	2300-1480PRV	PP-1480.001
00/008,733	12/23/1997	NOVEL HUMAN GENES AND GENE EXPRESSION	2300-1480PKV	PP-1480.001
60/072 910	01/28/1998	PRODUCTS II	2300-1481PRV	PP-1481.001
00/072,710	01/20/1990	1 RODGC13 II	2500-14811 KV	11-1401.001
60/075,954	02/24/1998	NOVEL HUMAN AND GENE EXPRESSION PRODUCTS III	2300-1482PRV	PP-1482.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,664	04/03/1998	PRODUCTS I	2300-1483PRV	PP-1483.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,666	04/03/1998	PRODUCTS II	2300-1484PRV	PP-1484.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/080,515	04/03/1998	PRODUCTS III	2300-1485PRV	PP-1485.001
60/080.114	03/31/1998	NOVEL HUMAN GENES EXPRESSION PRODUCTS IV	2300-1486PRV	PP-1486.001
		NOVEL HUMAN GENES AND GENE EXPRESSION	2500 1100110	11 1100.001
60/085,426	1	PRODUCTS V	2300-1487PRV	PP-1487.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,537		PRODUCTS VI	2300-1488PRV	PP-1488.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/085,696	05/15/1998	PRODUCTS VII	2300-1489PRV	PP-1489.001
		DIAGNOSTIC AND THERAPEUTIC METHODS USING		
		MOLECULES DIFFERENTIALLY EXPRESSED IN CANCER		
60/101,900				PP-1490.001
60/105,234		MAMMALIAN GENES AND POLYPEPTIDES	2300-1491PRV	PP-1491.001
	1	NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,180		PRODUCTS IX	2300-1492PRV	PP-1492.001
		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,161		PRODUCTS X	2300-1493PRV	PP-1493.001
50/400 000		NOVEL HUMAN GENES AND GENE EXPRESSION		
60/102,380		PRODUCTS XI	2300-1494PRV	PP-1494.001
60/102 015	1	NOVEL HUMAN GENES AND GENE EXPRESSION	2200 14057777	DD 1105 001
		PRODUCTS XII		PP-1495.001
60/105,877		MAMMALIAN GENES AND POLYPEPTIDES	2300-1496PRV	PP-1496.001
60/500 000		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
60/532,830		CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
10/770 542		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN	2200 21202	DD 01000 001
10///9,543	02/12/2004	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:

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 abovementioned, 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.

Date: 8/24/04

Lenge Laman
Signature

State of California

County of Alameda

On ______ 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.

Signature of Notary Public

NANCY L SWANSON
Commission # 1326916
Notary Public - California
Alameds County
My Comm. Expires Nov 23, 2005

Notary Seal

INVENTOR/ASSIGNOR: GEORGE LAMSON

3. le

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.
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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 abovementioned, 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

PATENT

REEL: 015796 FRAME: 0872

bect

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:

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

Signature

State of California

County of Alameda

On 8)25 64 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.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1325916
Notary Public - California
Alameda County
My Corrm. Expires Nov 23, 2005

Notary Seal

31-47

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:

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

Date: 24 Aug 2004

Signature

State of California

County of Alameda

On \(\sum \) \(\sum \) \(\sum \) \(\sum \) 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.

Signature of Notary Public

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alameda County
My Comm. Expires Nov 23, 2005

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
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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 abovementioned, 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

Signature

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

PATENT

REEL: 015796 FRAME: 0878

Sikand

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:

			Atty. Docket	Chiron
Serial No.	Filing date	TITLE	No.	Docket No.
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
60/532,830	12/23/2003	CANCEROUS CELLS AND THEIR METHODS OF USE	2300-18790PRV	PP-18790.001
		GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN		
10/779,543	02/12/2004	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 abovementioned, 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: $\frac{8/24/04}{}$

Signature

State of California

County of Alameda

On Short of the 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

NANCY L. SWANSON
Commission # 1326916
Notary Public - California
Alameda County
My Corren. Expires Nov 23, 2005

Notary Seal

PATENT REEL: 015796 FRAME: 0880

RECORDED: 03/18/2005