## 502163317 12/14/2012

## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Elisa Jazan	08/27/2005
Weibo Wang	08/31/2005
Paul A. Barsanti	09/13/2005
Yi Xia	09/01/2005
Sabina Pecchi	09/01/2005
Nathan Brammeier	08/31/2005
Megan Phillips	08/25/2005
Kris Mendenhall	08/31/2005
Kelly Wayman	08/25/2005
Liana Marie Lagniton	09/01/2005
Hong Yang	08/23/2005
Elizabeth Mieuli	08/31/2005
Savithri Ramurthy	09/01/2005
Anu Sharma	09/13/2005
Rama Jain	09/13/2005
Sharadha Subramanian	09/01/2005
Paul A. Renhowe	09/01/2005
Kenneth Walter Bair	09/12/2005
David Duhl	09/12/2005
Annette Walter	08/31/2005
Tinya Abrams	09/12/2005
Kay Huh	09/12/2005
Eric Martin	09/12/2005
Mark Knapp	09/12/2005
Vincent Le	09/13/2005
Ryan Constantine	08/22/2005
Rustum Boyce	08/24/2005

### **RECEIVING PARTY DATA**

PATENT

REEL: 029470 FRAME: 0786

Name:	Chiron Corporation
Street Address:	4560 Horton Street
Internal Address:	Mail Stop X-100B
City:	Emeryville
State/Country:	CALIFORNIA
Postal Code:	94608

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13613977

#### **CORRESPONDENCE DATA**

**Fax Number**: 6178713392

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

Phone: (510) 923-2707

Email: lisa.nash@novartis.com

Correspondent Name: Novartis Institutes for BioMedical Res Address Line 1: 220 Massachusetts Avenue, 2nd Floor

Address Line 2: NIBR Patents

Address Line 4: Cambridge, MASSACHUSETTS 02139

ATTORNEY DOCKET NUMBER:	PAT051765-US-CNT
NAME OF SUBMITTER:	Lisa Nash

#### Total Attachments: 22

source=assignment#page1.tif

source=assignment#page2.tif

source=assignment#page3.tif

source=assignment#page4.tif

source=assignment#page5.tif

source=assignment#page6.tif

source=assignment#page7.tif

source=assignment#page8.tif

source=assignment#page9.tif

source=assignment#page10.tif

source=assignment#page11.tif

source=assignment#page12.tif

source=assignment#page13.tif

source=assignment#page14.tif

source=assignment-II#page1.tif

source=assignment-II#page2.tif

source=assignment-II#page3.tif

source=assignment-II#page4.tif

source=assignment-II#page5.tif

source=assignment-II#page6.tif

source=assignment-II#page7.tif

source=assignment-II#page8.tif

#### ASSIGNMENT

WHEREAS, We, Weibo Wang, Paul A. Barsanti, Yi Xia, Rustum S. Boyce, Sabina Pecchi, Nathan Brammeier, Megan Phillips, Kris Mendenhall, Kelly Wayman, Liana Marie Lagniton, Ryan Constantine, Hong Yang, Elizabeth Mieuli, Savithri Ramurthy, Elisa Jazan, Anu Sharma, Rama Jain, Sharadha Subramanian, Paul A. Renhowe, Kenneth Walter Bair, David Duhl, Annette Walter, Tinya Abrams, Kay Hugh, Eric Martin, Mark Knapp, and Vincent Le, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SUBSTITUTED IMIDAZOLE DERIVATIVES

Date(s) of Execution: August 27, 2005

Filing Date: June 20, 2005

Serial No:

11/158,574

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

1

Atty. Docket No. 22950,0002

ASSIGNORS also agree that the U.S. application number may be entered above by ASSIGNEE or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE	
	Weibo Wang
DATE	
	Paul A. Barsanti
DATE	
	Yi Xia
DATE	
	Rustum S. Boyce
	Witness Signature
DATE	
	Sabina Pecchi
DATE	
	Nathan Brammeier
DATE	
· · · · · · · · · · · · · · · · · · ·	Megan Phillips
DATE	
	Kris Mendenhall

2

DATE	<u></u>
*	Kelly Wayman
DATE	
	Liana Marie Lagniton
DATE	Ryan Constantine
- <del>- interpress</del>	Witness Signature
DATE	
	Hong Yang
DATE	Trail a da Pari de
	Elizabeth Mieuli
DATE	Savithri Ramurthy
DATE 4/27/05	Elisa Quan
	Eliza Jazan  Witness Signature
DATE	
	Anu Sharma
DATE	Rama Jain
DATE	Sharadha Subramanian
DATE	
	Paul A. Renhowe
DATE	To an all the to the
	Kenneth Walter Bair
DATE	David Duhl

DATE		
***************************************	Annette Walter	
DATE		
	Tinya Abrams	
DATE		
	Kay Huh	•
DATE		
	Eric Marin	
DATE		
	Mark Knapp	
DATE		
	Vincent Le	

#### ASSIGNMENT

WHEREAS, We, Weibo Wang, Paul A. Barsanti, Yi Xia, Rustum S. Boyce, Sabina Pecchi, Nathan Brammeier, Megan Phillips, Kris Mendenhall, Kelly Wayman, Liana Marie Lagniton, Ryan Constantine, Hong Yang, Elizabeth Mieuli, Savithri Ramurthy, Elisa Jazan, Anu Sharma, Rama Jain, Sharadha Subramanian, Paul A. Renhowe, Kenneth Walter Bair, David Duhl, Annette Walter, Tinya Abrams, Kay Hugh, Eric Martin, Mark Knapp, and Vincent Le, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SUBSTITUTED IMIDAZOLE DERIVATIVES

Date(s) of Execution: August 23, 2005; August 25, 2005;

4 400 0005 4 405 0005

Filing Date: June 20, 2005

August 31, 2005; September 1, 2005;

September 12, 2005; and September 13, 2005

Serial No:

11/158,574

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

1

ASSIGNORS also agree that the U.S. application number may be entered above by ASSIGNEE or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

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

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

Å

DATE	8/31/05	
DATE _	9-13-05	Weibo Wang  Tank Sozaik
DATE _	9/1/05	Paul A. Barsanti
DATE_		Yi Xia
		Rustum S. Boyce
DATE _	911105	Witness Signature
DATE _	Aug. 31, 205	Sabina Pecchi
DATE_	8/25/05	Nathan Brammeier
DATE_	6/31/05	Megan Phillips
		Kris Mendenhall

		PATENT
		Atty. Docket No. 22590.0002
DATE	8/25/05	
		Kelly Wayman
DATE	24-51/05 Q/1/05	
7		Liana Marie Lagniton
DATE _		
		Ryan Constantine
	<u></u>	Witness Signature
DATE	08/23/05	1 Hogland from
		Hong Yang ////
DATE	A.m. 4 31 2005	74. A. Minh
	<u>- August 31, 2005 —</u>	Élizabeth Michili
75 4 F777	9 [1]05	V D D
DATE	_	Savithri Ramurthy
		Saviant realisatily
DATE _		
		Eliza Jazan
	منفوهوسيد .	Witness Cionatura
		Witness Signature
DATE _	09/13/05	<u> Anytherma</u>
	<b>.</b>	Anu Sharma
DATE	9/13/05	/a /a.:
DAID_		Rama Jain
DATE	9/11/05	Thatay Arrani.
		Sharadha Sukramanian
DATE	9-1-05	attending of the said has a second
		Pául A. Renhowe
DATE	1/12/05	Canta Walter Bain
·		Kenneth Walter Bair

3

DATE 9-12-05

DATE <u>01-21-7055</u>

DATE <u>09-12-2005</u>

DATE 09-12-2005

DATE 9-12-2005

DATE 9//2/2008

DATE 9/13/2005

Annette Walter

Tinya Abrams

Kay Huh

Eric Marin

Mark Knapp

Vincent Le

State of California	pea
County of <u>Alameda</u>	SS. 
On August 23, 2005 befo	ore me, Elissa M. Nash
Date :	Name and Title of Officer (e.g., "Jane Doe, Notary Public") Hong Yang
personally appeared	Name(s) of Signer(s)
	personally known to me
	proved to me on the basis of satisfactor
	evidence
	No. 1
	to be the person whose name (s) at subscribed to the within instrument an
	acknowledged to me that so the within instrument and acknowledged to me that so the within instrument and acknowledged to me that so the within instrument and acknowledged to me that so the within instrument and acknowledged to the within its acknow
	the same in XIII Their authorize
Commission # 1583873	capacity(ies) and that by assumble
Notary Public - California	signature(s) on the instrument the person(s); o
Alconado Courty 86y Conen, Buples Feb 19, 2	the entity upon behalf of which the person()
	acted, executed the instrument.
	WITNESS my hand and official seal.
	Signature of Notary Public
	/
	- OPTIONAL
	r, it may prove valuable to persons relying on the document and could prever d reattachment of this form to another document.
Description of Attached Docume	nt
Title or Type of Document:	
Document Date:	Number of Pages:
Olivery's Other Time Hand Street	
Signer(s) Other Than Named Above;	
Capacity(ies) Claimed by Signer	
Cianara Nama	FICHT HUMBIRIN
Signer's Name:	
Signer's Name:	Top of thumb here
□ Individual □ Corporate Officer — Title(s):	Top of thumb here
□ Individual □ Corporate Officer — Title(s): □ Partner — □ Limited □ General	
□ Individual □ Corporate Officer — Title(s): □ Partner — □ Limited □ General □ Attorney-in-Fact	
□ Individual □ Corporate Officer — Title(s): □ Partner — □ Limited □ General □ Attorney-in-Fact □ Trustee	
□ Individual □ Corporate Officer — Title(s): □ Partner — □ Limited □ General □ Attorney-in-Fact □ Trustee □ Guardian or Conservator	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	

State of California	•
	\$S.
County of Alameda	— <b>》</b>
On <u>August 25, 2005</u> before me,	Elissa M. Nash  Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Megan C. Phillip	s and Kelly Wayman
	Name(s) of Signer(s)
	□ personally known to me  X proved to me on the basis of satisfactory evidence  □ personally known to me  or the basis of satisfactory  evidence  □ personally known to me  or the basis of satisfactory  evidence  □ personally known to me  or the basis of satisfactory  evidence  □ personally known to me  or the basis of satisfactory  evidence  □ personally known to me  or the basis of satisfactory  evidence  or the basis of satisfactory  or the basis of satisfactory  evidence  evidence  or the basis of satisfactory  evidence  e
SubSa M. Neise Commission & 1553873 Notory Public - Collionics & Alamedo County My Comm. Spring Feb 19, 2009	to be the person(s) whose name(s) subscribed to the within instrument and acknowledged to me that he same in the same in the capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), of the entity upon behalf of which the person(s) acted, executed the instrument.
	WITNESS my hand and official seal.  Signature of Notary Public
O!	TIONAL
Though the information below is not required by law, it may	prove valuable to persons relying on the document and could prevent timent of this form to another document.
Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Capacity(ies) Claimed by Signer	
Signer's Name:	FOR EXPERIENCE AND THE PROPERTY OF THE PROPERT
☐ Individual	OF Selection Top of thumb here
FOR COLUMN TONE (-)	
☐ Partner — ☐ Limited ☐ General	
☐ Attorney-in-Fact	
☐ Trustee	Į Į
☐ Guardian or Conservator ☐ Other:	
Signer Is Representing:	

State of California	
	ss.
County of Alameda	<b>→ 》</b>
On August 31, 2005 before me,	Elissa M. Nash
personally appeared Weibo Wang, Nathan	Brammeier, Kris Mendenhall,
and Elizabeth Mieuli	Name(s) of Signer(s)
Annette Walter	personally known to me     proved to me on the basis of satisfactor evidence
ESSA M. 1945H Commission # 1883873 Natory Public - Collomic Alamado County My Comm. Explos Feb 19, 2009	to be the person(s) whose name(s) is a subscribed to the within instrument an acknowledged to me that he same in he authorize capacity(ies), and that by signature(s) on the instrument the person(s) the entity upon behalf of which the person(s) acted, executed the instrument.
	WITNESS my hand and official seal.
	TONAL
	ent of this form to another document.
Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name:	
☐ Individual	ORSIGNED Top at thumb here
El al annual de la company	
☐ Partner — ☐ Limited ☐ General	
Attorney-in-Fact	
Trustee	
Guardian or Conservator     Other:	

State of California	•
County of Alameda	ss.
On Sentember 1 2005 hotel	re me, Elissa M. Nash
Date	Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared <u>11 Ala, Sabir</u> Sharadha Subramanian, and	na Pecchi, Savithri Ramurthy, Name(s) of Signer(s)
•	Lagniton personally known to me
	<ul> <li>proved to me on the basis of satisfactor evidence</li> </ul>
	to be the person(s) whose name(s)
	subscribed to the within instrument an acknowledged to me that the within execute
Commission # 1959	the same in Mis/harmers authorize
2 N. T. Marie V. Anna V. Anna C. Colley	capacity(ies), and that by his his his signature(s) on the instrument the person(s), or
Alamada County My Comm. Espina Fad 15	the entity upon behalf of which the person(s
	acted, executed the instrument.
	WITNESS my hand and official seal / 🗼 🗼
	Signature of Newsy (Strict
	· ·
Though the information below is not required by law	OPTIONAL
	20 2 1 C 2 10 10 10 10 10 10 10 10 10 10 10 10 10
	4, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.
fraudulent removal and	4, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.
fraudulent removal and Description of Attached Docume Title or Type of Document:	4, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.
fraudulent removal and Description of Attached Docume Title or Type of Document: Document Date:	, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.
fraudulent removal and Description of Attached Docume Title or Type of Document: Document Date:	t i may prove valuable to persons relying on the document and could prever it reattachment of this form to another document.  Number of Pages:
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:	t may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.  Number of Pages:
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer  Signer's Name:	(, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.  Number of Pages:
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer  Signer's Name:  Individual  Corporate Officer — Title(s):	(, it may prove valuable to persons relying on the document and could prever if reattachment of this form to another document.  Number of Pages:
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer  Signer's Name:  Individual  Corporate Officer — Title(s):  Partner — □ Limited □ General	t may prove valuable to persons relying on the document and could prever it reattachment of this form to another document.  Number of Pages:  Top of thumb here
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer  Signer's Name:  Individual  Corporate Officer — Title(s):	(, it may prove valuable to persons relying on the document and could prevent reattachment of this form to another document.  Number of Pages:  Top of thumb here
Title or Type of Document:  Document Date:  Signer(s) Other Than Named Above:  Capacity(ies) Claimed by Signer  Signer's Name:  Individual  Corporate Officer — Title(s):  Partner — □ Limited □ General  Attorney-in-Fact	it may prove valuable to persons relying on the document and could prevent reattachment of this form to another document.  Number of Pages:    Number of Pages:

State of California	
County of <u>Alameda</u>	\$ ss. 
On September 12, 2005 before me,	
personally appeared <u>Kay Huh'. Tinya A</u>	Name and Title of Officer (e.g., Vane Doe, Notary Public) brams. Mark Knapp. Eric Martin.
David Duhl, and Kenneth	W. Ball
	X) personally known to me
	▼ proved to me on the basis of satisfactor evidence
	to be the person(s) whose name(s) is
	subscribed to the within instrument an
	acknowledged to me that has hearth execute
ESSAM MANY	the same in his/hat/heir authorize capacity(ies), and that by his/hat/li
Commission # 1553873 White Colleges Col	signature(s) on the instrument the person(s), or
I ( Alameda County ii )	the entity upon behalf of which the person(s
My Corem. Equipm Fee: 19, 2009	acted, executed the instrument.
and the state of the standing the standing the standing of the	WITNESS my hand and official seal.
	Signature of Notary Public
	editaris a vorski surgic
	TIONAL
	ove valuable to persons relying on the document and could prever nent of this form to another document.
Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Uther Than Named Above:	
Capacity(ies) Claimed by Signer	
Arms a Maria	RIGHTS RUMBRRI
Signer's Name:	Signature Top of thumb here
☐ Individual	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact ☐ Trustee	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact	
☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator	

Other is California		·
State of California		ss.
County of Ala	meda	
On September	13, 2005 before	e me, Elissa M. Nash  Name and Title of Officer (e.g., 'Jane Doe, Notary Public')
personally appeared	Boull & Dames	Name and Title of Officer (e.g., "Jane Doe, Notary Public")  anti, Vincent Le, Anu Sharma, and
personally appeared	Rama Jain	Name(s) of Signer(s)
	noma Jain	当personally known to me 当proved to me on the basis of satisfactor
		evidence
		to be the person(s) whose name(s) is subscribed to the within instrument an acknowledged to me that to some the same acknowledged to me that to some the same acknowledged to me the same acknowledged to the same acknowledged to me the same acknowledged to the s
	S. 101. N. 141.	the same in was/hearties authorize
	Commission # 1953873 Notary Public - Collionic	capacity(ies), and that by the history signature(s) on the instrument the person(s), or
* V X - 30007	Alcomedo County	the entity upon hehalf of which the nerson/s
A MANAGE MAY	Corses, Escatea Fait 19, 20	acted, executed the instrument.
Age Allen Allen Allen Allen A	Mariting Inc.	WITNESS my hand and official seal.
		VII (VESS) thy hand and bindlar seat.
		Signature of Notary Public
		, , , , , , , , , , , , , , , , , , ,
Though the information t	below is not required by law. is	- OPTIONAL
Though the information t		, , , , , , , , , , , , , , , , , , ,
		OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.
	fraudulent removal and r	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.
Description of A	fraudulent removal and re Attached Document  ument:	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.
Description of A Title or Type of Docu	fraudulent removal and re Attached Document  ument:	The state of Pages:
Description of A Title or Type of Docu	fraudulent removal and re Attached Document  ument:	The second secon
Description of A Title or Type of Docu Document Date: Signer(s) Other Than	fraudulent removal and re Attached Document  ument:	The state of Pages:
Description of A Title or Type of Docu Document Date: Signer(s) Other Than Capacity(ies) Cl	fraudulent removal and re  Attached Document  ument:  n Named Above:  laimed by Signer	The state of this form to another document and could prever realtachment of this form to another document.  Number of Pages:
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Ci Signer's Name:	fraudulent removal and re  Attached Document  ument:  n Named Above:  laimed by Signer	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Cl Signer's Name:	fraudulent removal and re Attached Document  ument:  n Named Above:  laimed by Signer	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:  Top of thumb here
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Ci Signer's Name:  Individual Corporate Officer Partner — _ Lim	fraudulent removal and re Attached Document  ument:  n Named Above:  iaimed by Signer  — Title(s):	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Ci Signer's Name: Individual Corporate Officer Partner — □ Lim Attorney-in-Fact	fraudulent removal and re Attached Document  ument:  n Named Above:  iaimed by Signer  — Title(s):	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:  Top of thumb here
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Ci Signer's Name:  Individual Corporate Officer Partner — _ Lim	fraudulent removal and re  Attached Document  ument:  n Named Above:  laimed by Signer  — Title(s):  iited □ General	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:  Top of thumb here
Description of A Title or Type of Docu Document Date: Signer(s) Other That Capacity(ies) Ci Signer's Name:  Individual Corporate Officer Partner — _ Lim Attorney-in-Fact Trustee Guardian or Cons	fraudulent removal and re  Attached Document  ument:  n Named Above:  aimed by Signer  — Title(s):  iited   General  servator	OPTIONAL  it may prove valuable to persons relying on the document and could prever reattachment of this form to another document.  It  Number of Pages:  Top of thumb here

#### ASSIGNMENT

WHEREAS, We, Weibo Wang, Paul A. Barsanti, Yi Xia, Rustum S. Boyce, Sabina Pecchi, Nathan Brammeier, Megan Phillips, Kris Mendenhall, Kelly Wayman, Liana Marie Lagniton, Ryan Constantine, Hong Yang, Elizabeth Mieuli, Savithri Ramurthy, Elisa Jazan, Anu Sharma, Rama Jain, Sharadha Subramanian, Paul A. Renhowe, Kenneth Walter Bair, David Duhl, Annette Walter, Tinya Abrams, Kay Hugh, Eric Martin, Mark Knapp, and Vincent Le, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SUBSTITUTED IMIDAZOLE DERIVATIVES

Date(s) of Execution:

August 22, 2005

Filing Date: June 20, 2005

Serial No:

11/158,574

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. application number may be entered above by ASSIGNEE or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

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

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE			
		Weibo Wang	
DATE			
		Paul A. Barsanti	
DATE			.3.2.2.2
		Yi Xia	*
DATE	*		1
		Rustum S. Boyce	
	Witness	Signature	
DATE			
		Sabina Pecchi	<del>*************************************</del>
DATE			
	<del>\$200.00</del>	Nathan Brammeier	
DATE			
DAIL		Megan Phillips	:
DATE			
LOTALL	<del></del>	Kris Mendenhall	

2

DATE	
	Kelly Wayman
DATE	
	Liana Marie Lagniton
DATE 8-22-05	
	Ryan Constantine  Ryan Constantine  ness Signature
DATE	
	Hong Yang
DATE	A.2. 4 '3 D C. 5.
	Elizabeth Mieuli
DATE	Savithri Ramurthy
DATE	Eliza Jazan
	· · · · · · · · · · · · · · · · · · ·
With	ness Signature
DATE	Anu Sharma
DATE	Anu Sharma
	Rama Jain
DATE	Cl
	Sharadha Subramanian
DATE	Paul A. Renhowe
DATE	Kenneth Walter Bair
DATE	David Duhl
	2. 2/2 V X 2. 4 2. 2 X 2 X 2 X 3 X

DATE		
	Annette Walter	
DATE		
	Tinya Abrams	i *
DATE		
	Kay Huh	
DATE		
	Eric Marin	· A
DATE		<u> </u>
	Mark Knapp	
DATE		
	Vincent Le	

#### ASSIGNMENT

WHEREAS, We, Weibo Wang, Paul A. Barsanti, Yi Xia, Rustum S. Boyce, Sabina Pecchi, Nathan Brammeier, Megan Phillips, Kris Mendenhall, Kelly Wayman, Liana Marie Lagniton, Ryan Constantine, Hong Yang, Elizabeth Mieuli, Savithri Ramurthy, Elisa Jazan, Anu Sharma, Rama Jain, Sharadha Subramanian, Paul A. Renhowe, Kenneth Walter Bair, David Duhl, Annette Walter, Tinya Abrams, Kay Hugh, Eric Martin, Mark Knapp, and Vincent Le, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SUBSTITUTED IMIDAZOLE DERIVATIVES

Date(s) of Execution: August 24, 2005

Filing Date: June 20, 2005

Serial No:

11/158,574

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

1

ASSIGNORS also agree that the U.S. application number may be entered above by ASSIGNEE or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

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

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE				
			Weibo Wang	¥
DATE				:
*			Paul A. Barsanti	
DATE				
DATE 8/2	3		Yi Xia	
DATE			Rustum S. Boyce	·
•				
		Winess S	ignature	
DATE			•	
			Sabina Pecchi	
DATE				
		<del>- 1</del>	Nathan Brammeier	<u> </u>
DATE				
DAIL		<del> </del>	Megan Phillips	<del> </del>
DATE	*			
			Kris Mendenhall	:

DATE	
	Kelly Wayman
DATE	
	Liana Marie Lagniton
DATE	
	Ryan Constantine
	Witness Signature
	Withess Signature
DATE	Hong Yang
	***************************************
DATE	Elizabeth Mieuli
DATE	
	Savithri Ramurthy
DATE	Eliza Jazan
	Enza Jazan
	Witness Signature
DATE	
	Anu Sharma
DATE	
	Rama Jain
DATE	
	Sharadha Subramanian
DATE	Paul A. Renhowe
	ram A. Nomowo
DATE	Kenneth Walter Bair
77 A 77777	
DATE	David Duhl

DATE		
	Annette Walter	
DATE	:	
	Tinya Abrams	
DATE		
	Kay Huh	
DATE		
	Eric Marin	
DATE		
	Mark Knapp	
DATE		
	Wincomt Y a	

4