

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																																																								
NATURE OF CONVEYANCE:	ASSIGNMENT																																																								
CONVEYING PARTY DATA																																																									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Elisa Jazan</td><td>08/27/2005</td></tr> <tr><td>Weibo Wang</td><td>08/31/2005</td></tr> <tr><td>Paul A. Barsanti</td><td>09/13/2005</td></tr> <tr><td>Yi Xia</td><td>09/01/2005</td></tr> <tr><td>Sabina Pecchi</td><td>09/01/2005</td></tr> <tr><td>Nathan Brammeier</td><td>08/31/2005</td></tr> <tr><td>Megan Phillips</td><td>08/25/2005</td></tr> <tr><td>Kris Mendenhall</td><td>08/31/2005</td></tr> <tr><td>Kelly Wayman</td><td>08/25/2005</td></tr> <tr><td>Liana Marie Lagniton</td><td>09/01/2005</td></tr> <tr><td>Hong Yang</td><td>08/23/2005</td></tr> <tr><td>Elizabeth Mieuli</td><td>08/31/2005</td></tr> <tr><td>Savithri Ramurthy</td><td>09/01/2005</td></tr> <tr><td>Anu Sharma</td><td>09/13/2005</td></tr> <tr><td>Rama Jain</td><td>09/13/2005</td></tr> <tr><td>Sharadha Subramanian</td><td>09/01/2005</td></tr> <tr><td>Paul A. Renhowe</td><td>09/01/2005</td></tr> <tr><td>Kenneth Walter Bair</td><td>09/12/2005</td></tr> <tr><td>David Duhl</td><td>09/12/2005</td></tr> <tr><td>Annette Walter</td><td>08/31/2005</td></tr> <tr><td>Tinya Abrams</td><td>09/12/2005</td></tr> <tr><td>Kay Huh</td><td>09/12/2005</td></tr> <tr><td>Eric Martin</td><td>09/12/2005</td></tr> <tr><td>Mark Knapp</td><td>09/12/2005</td></tr> <tr><td>Vincent Le</td><td>09/13/2005</td></tr> <tr><td>Ryan Constantine</td><td>08/22/2005</td></tr> <tr><td>Rustum Boyce</td><td>08/24/2005</td></tr> </tbody> </table>		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
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RECEIVING PARTY DATA																																																									

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
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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.

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 _____

Yi Xia

DATE _____

Rustum S. Boyce

Witness Signature

DATE _____

Sabina Pecchi

DATE _____

Nathan Brammeier

DATE _____

Megan Phillips

DATE _____

Kris Mendenhall

DATE _____

Kelly Wayman

DATE _____

Liana Marie Lagniton

DATE _____

Ryan Constantine

Witness Signature

DATE _____

Hong Yang

DATE _____

Elizabeth Miculi

DATE _____

Savithri Ramurthy

DATE 4/27/05

Elisa Jazan
Eliza Jazan

Kevin O'Leary
Witness Signature

DATE _____

Anu Sharma

DATE _____

Rama Jain

DATE _____

Sharadha Subramanian

DATE _____

Paul A. Renhowe

DATE _____

Kenneth Walter Bair

DATE _____

David Duhl

DATE _____

Annette Walter

DATE _____

Tinya Abrams

DATE _____

Kay Huh

DATE _____

Eric Marin

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Mark Knapp

DATE _____

Vincent Le

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Date(s) of Execution: August 23, 2005; August 25, 2005; Filing Date: June 20, 2005
August 31, 2005; September 1, 2005;
September 12, 2005; and September 13, 2005

Serial No: 11/158,574

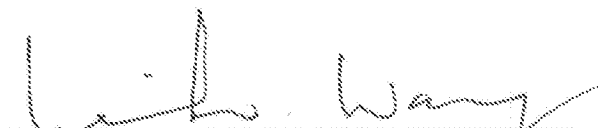
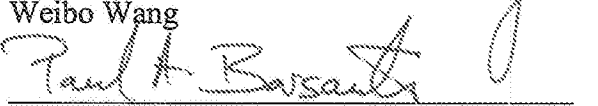

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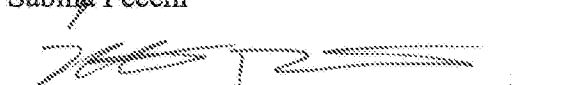
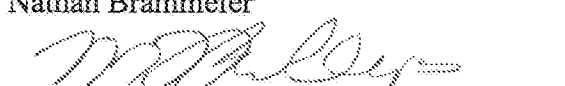
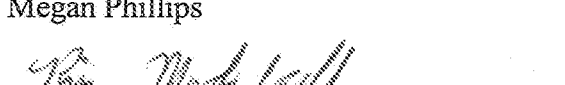
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IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE	<u>8/31/05</u>	<u></u>
		Weibo Wang
DATE	<u>9-13-05</u>	<u></u>
		Paul A. Barsanti
DATE	<u>9/1/05</u>	<u></u>
		Yi Xia
DATE	_____	_____
		Rustum S. Boyce

Witness Signature

DATE	<u>9/1/05</u>	<u></u>
		Sabina Pecchi
DATE	<u>Aug. 31, '05</u>	<u></u>
		Nathan Brammeier
DATE	<u>8/29/05</u>	<u></u>
		Megan Phillips
DATE	<u>8/31/05</u>	<u></u>
		Kris Mendenhall

DATE 8/25/05



Kelly Wayman

DATE ~~8/30/05~~ 9/1/05



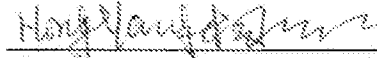
Liana Marie Laginton

DATE _____

Ryan Constantine

Witness Signature

DATE 08/23/05




Hong Yang

DATE August 31, 2005



Elizabeth Mieuli

DATE 9/1/05



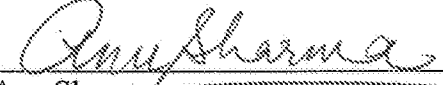
Savithri Ramurthy

DATE _____

Eliza Jazan

Witness Signature

DATE 09/13/05



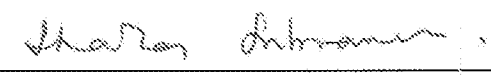
Anu Sharma

DATE 9/13/05



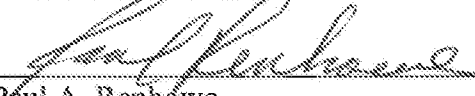
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DATE 9/1/05



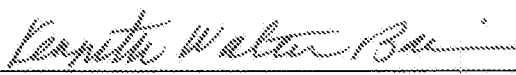
Sharadha Subramanian

DATE 9-1-05



Paul A. Renhowe

DATE 1/2/05



Kenneth Walter Bair

DATE 9-12-05

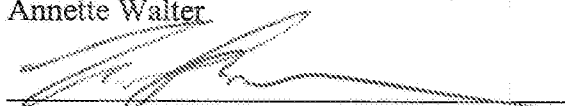


David Duhl


DATE 01-31-2005


Annette Walter

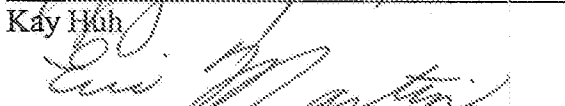
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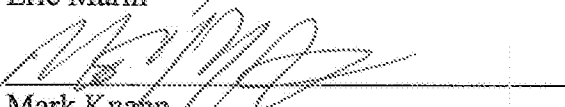
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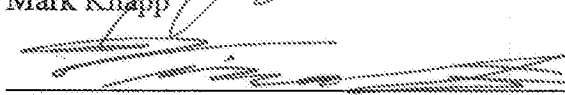
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Eric Marin

DATE 9/12/2005


Mark Knapp

DATE 9/13/2005


Vincent Le

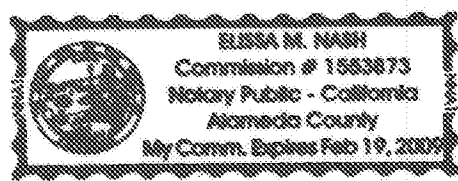
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Alameda } ss.

On August 23, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Hong Yang
Name(s) of Signer(s)

personally known to me
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that ~~is/they~~ executed the same in ~~his/her~~ authorized capacity(ies), and that by ~~his/her~~ 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.
Elissa M. Nash
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

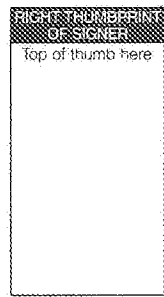
Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer is Representing: _____

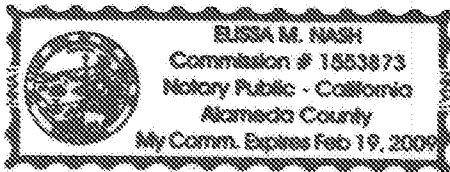


CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Alameda } ss.

On August 25, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Megan C. Phillips and Kelly Wayman
Name(s) of Signer(s)

personally known to me
 proved to me on the basis of satisfactory evidence



to be the person(s) whose name(s) is/are 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.

Elissa M. Nash
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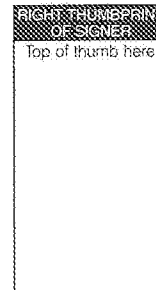
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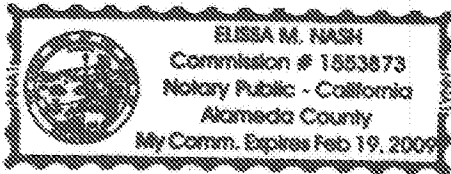
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County of Alameda } ss.

On August 31, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Weibo Wang, Nathan Brammeier, Kris Mendenhall,
Name(s) of Signer(s)
and Elizabeth Mieuli
Annette Walter

personally known to me
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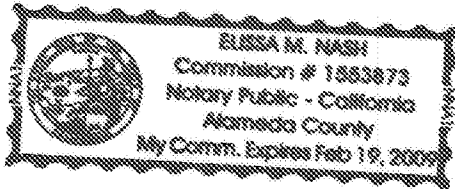
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State of California }
County of Alameda } ss.

On September 1, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Yi Xia, Sabina Pecchi, Savithri Ramurthy,
Names(s) of Signer(s)
Sharadha Subramanian, and

Paul Renhowe, Liana Marie Lagniton personally known to me
 proved to me on the basis of satisfactory evidence



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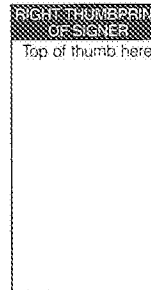
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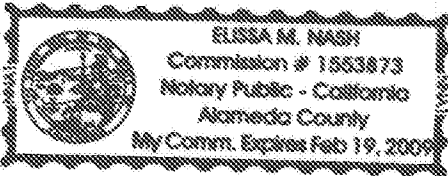
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On September 12, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., Jane Doe, Notary Public)

personally appeared Kay Huh, Tinya Abrams, Mark Knapp, Eric Martin,
Name(s) of Signer(s)
David Duhl, and Kenneth W. Bair

personally known to me
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are 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/hers/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.

Elissa M. Nash
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment 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
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____



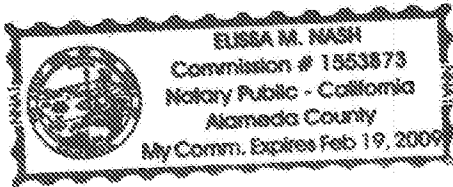
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Alameda } ss.

On September 13, 2005 before me, Elissa M. Nash
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared Paul A. Barsanti, Vincent Le, Anu Sharma, and
Rama Jain
Name(s) of Signer(s)

personally known to me
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are 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/hers/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.

Elissa M. Nash
Signature of Notary Public

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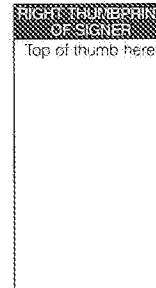
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Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: _____



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 *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.

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 _____

Yi Xia

DATE _____

Rustum S. Boyce

Witness Signature

DATE _____

Sabina Pecchi

DATE _____

Nathan Brammeier

DATE _____

Megan Phillips

DATE _____

Kris Mendenhall

DATE _____

Kelly Wayman

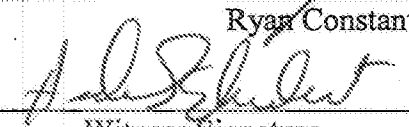
DATE _____

Liana Marie Lagniton

DATE 8-22-05



Ryan Constantine



Witness Signature

DATE _____

Hong Yang

DATE _____

Elizabeth Mieuli

DATE _____

Savithri Ramurthy

DATE _____

Eliza Jazan

Witness Signature

DATE _____

Anu Sharma

DATE _____

Rama Jain

DATE _____

Sharadha Subramanian

DATE _____

Paul A. Renhowe

DATE _____

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 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.

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 _____

Yi Xia

DATE 8/24/05

Rustum S. Boyce



Witness Signature

DATE _____

Sabina Pecchi

DATE _____

Nathan Brammeier

DATE _____

Megan Phillips

DATE _____

Kris Mendenhall

DATE _____

Kelly Wayman

DATE _____

Liana Marie Lagniton

DATE _____

Ryan Constantine

Witness Signature

DATE _____

Hong Yang

DATE _____

Elizabeth Miculi

DATE _____

Savithri Ramurthy

DATE _____

Eliza Jazan

Witness Signature

DATE _____

Anu Sharma

DATE _____

Rama Jain

DATE _____

Sharadha Subramanian

DATE _____

Paul A. Renhowe

DATE _____

Kenneth Walter Bair

DATE _____

David Duhl

DATE _____

Annette Walter

DATE _____

Tinya Abrams

DATE _____

Kay Huh

DATE _____

Eric Marin

DATE _____

Mark Knapp

DATE _____

Vincent Le