

07-14-2005



Substitute Form PTO-1595
 Attorney Docket No.: 19128-003US1
 Client's Ref. No.: CH010-01.US

102949195
**RECORDATION FORM COVER SHEET
 PATENTS ONLY**

Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Thomas Arrhenius
 Mi Chen
 Jie Fei Cheng
 Yujin Huang
 Alex Michael Nadzxsan
 Sovouthy Tith
 David Mark Wallace
 Bin Liu
 Masahiro Nishimoto
 Gary D. Lopaschuk
 Jason R. Dyck

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Chugai Seiyaku Kabushika Kaisha
 5-1, Ukima 5-Chome, Kita-Ku
 Tokyo, JAPAN 115-8543

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Execution Date: 05/13/2004; 05/12/2004; 05/12/2004;
 05/12/2004; 06/03/2004; 05/12/2004; 05/20/2004;
 09/07/2004; 05/13/2004; 06/07/2004; and 05/13/2004.

Additional names/addresses attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No(s):

10/468,926

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

DALE L. RIEGER
 Fish & Richardson P.C.
 12390 El Camino Real
 San Diego, California 92130

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR §3.41): \$40

- ☐ Enclosed
☒ Authorized to charge Deposit Account.

8. Deposit Account No.: 06-1050

Please apply any additional charges, or any credits, to our
 Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and Signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Dale L. Rieger
 Reg. No. 43,045
 Name of Person Signing

Signature

Date

Total number of pages including coversheet, attachments and document: 50

10511646.doc

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

May 5, 2005
 Date of Transmission

Signature

Dale L. Rieger
 Typed Name of Person Signing Certificate

07/15/2005 DBYRNE 00000001 061050 10466926

01 FC:8021 40.00 DA

PATENT
REEL: 016272 FRAME: 0540

Docket Number: CH010-01.US

ASSIGNMENT

WE have invented certain new and useful improvements for which WE have executed a patent application entitled "**MALONYL-CoA DECARBOXYLASE INHIBITORS USEFUL AS METABOLIC MODULATORS**", in the United States, which:

 Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

 X Was filed on July 21, 2003 under 35 USC 371(c) and bears the application number 10/466,926 and claiming priority to US application number 60/265,380 filed January 26, 2001 and PCT application number PCT/US02/02179 filed January 22, 2002.

In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of **5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in-part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

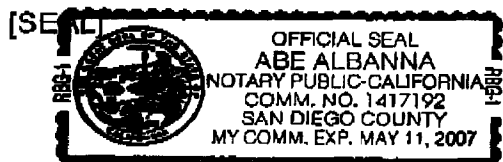
WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas ArrheniusResidence Address: 12744 Via Esperia, Del Mar, CA 92014Citizenship: SwedenInventor's signature [Signature]Date 5/13/04

On May 13, 2004 before me, Abe Albanna, Notary Public, personally appeared Thomas Arrhenius, ~~personally known to me~~ (or proved 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~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature [Signature]

NOTARY PUBLIC

Full name of inventor: Mi ChenResidence Address: 7746 Roan Road, San Diego, CA 92129Citizenship: People's Republic of China

Inventor's signature _____

Date _____

On _____ before me, _____, Notary Public, personally appeared Mi Chen, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jie Fei ChengResidence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jie Fei Cheng, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Yujin HuangResidence Address: 11410 Miro Circle, San Diego, CA 92131Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Yujin Huang, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Alex Michael Nadzan
Residence Address: 1820 Westview Drive, Encinitas, CA 92024
Citizenship: United States of America
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Alex Michael Nadzan, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Sovouthy Tith
Residence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126
Citizenship: United States of America
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 8540 Costa Verde Blvd., #4410, San Diego, CA 92122Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Bin Liu, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro Nishimoto

Residence Address: 58-1-203 Chabatake, Susono-shi, Shizuoka

Citizenship: Japan

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Masahiro Nishimoto, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Gary D. Lopaschuk

Residence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4

Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. Dyck

Residence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,
8B 1A4

Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]

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NOTARY PUBLIC

Docket Number: CH010-01.US

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 Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

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In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of **5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

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The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas ArrheniusResidence Address: 12744 Via Esperia, Del Mar, CA 92014Citizenship: Sweden

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

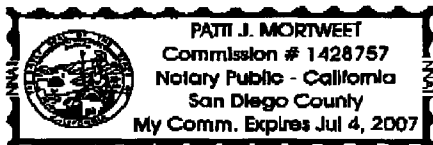
NOTARY PUBLIC

Full name of inventor: Mi ChenResidence Address: 7746 Roan Road, San Diego, CA 92129Citizenship: People's Republic of ChinaInventor's signature Mi Chen Date 5/12/04

On May 12, 2004 before me, Patti J. Mortweet, Notary Public, personally appeared Mi Chen, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature Patti J. Mortweet

NOTARY PUBLIC

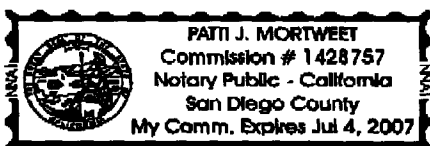
Docket Number: CH010-01.US

Full name of inventor: Jie Fei ChengResidence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009Citizenship: People's Republic of ChinaInventor's signature [Signature]Date 05/12/04

On May 12, 2004 before me, Patti J. Mortweet, Notary Public, personally appeared Jie Fei Cheng, ~~personally known to me~~ (or proved 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~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]

Signature [Signature]

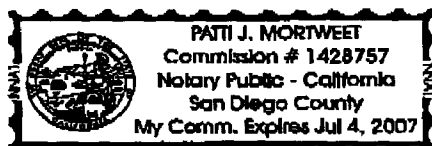
NOTARY PUBLIC

Full name of inventor: Yujin HuangResidence Address: 11410 Miro Circle, San Diego, CA 92131Citizenship: CanadianInventor's signature [Signature]Date 5/12/04

On May 12, 2004 before me, Patti J. Mortweet, Notary Public, personally appeared Yujin Huang, ~~personally known to me~~ (or proved 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~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature [Signature]

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Alex Michael NadzanResidence Address: 1820 Westview Drive, Encinitas, CA 92024Citizenship: United States of America

Inventor's signature _____ Date _____

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WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Sovouthy TithResidence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126Citizenship: United States of AmericaInventor's signature _____ Date May 20, 2004

On 5/20/04 before me, HAL L. S. KWOK, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC



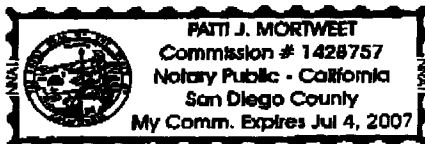
Docket Number: CH010-01.US

Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of AmericaInventor's signature David Mark Wallace Date 5/12/04

On May 12, 2004 before me, Patti J. Mortweet, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature Patti J. Mortweet

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 8540 Costa Verde Blvd., #4410, San Diego, CA 92122Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Bin Liu, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro Nishimoto
Residence Address: 58-1-203 Chabatake, Susono-shi, Shizuoka
Citizenship: Japan
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Masahiro Nishimoto, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Gary D. Lopaschuk
Residence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4
Citizenship: Canadian
Inventor's signature _____ Date _____

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[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,8B 1A4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of **5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas Arrhenius
Residence Address: 12744 Via Esperia, Del Mar, CA 92014
Citizenship: Sweden
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Mi Chen
Residence Address: 7746 Roan Road, San Diego, CA 92129
Citizenship: People's Republic of China
Inventor's signature _____ Date _____

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NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jie Fei Cheng
Residence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009
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Signature _____
NOTARY PUBLIC

Docket Number: CH010-01,US

Full name of inventor: Alex Michael NadzanResidence Address: 1820 Westview Drive, Encinitas, CA 92024Citizenship: United States of America

Inventor's signature

Alex Michael Nadzan

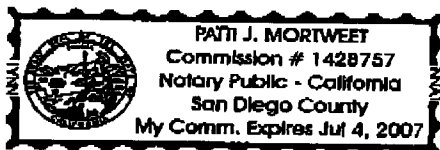
Date

6/3/04

On June 3, 2004 before me, Patti J. Mortweet, Notary Public, personally appeared Alex Michael Nadzan, ~~personally known to me~~ (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Signature

Patti J. Mortweet

NOTARY PUBLIC

Full name of inventor: Sovouthy TithResidence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126Citizenship: United States of America

Inventor's signature

Date

On _____ before me, _____, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature

NOTARY PUBLIC

Docket Number: **CH010-01.US**Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 8540 Costa Verde Blvd., #4410, San Diego, CA 92122Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Bin Liu, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro Nishimoto
Residence Address: 58-1-203 Chabatake, Susono-shi, Shizuoka
Citizenship: Japan
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Masahiro Nishimoto, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Gary D. Lopaschuk
Residence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4
Citizenship: Canadian
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,8B 1A4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

ASSIGNMENT

WE have invented certain new and useful improvements for which WE have executed a patent application entitled **"MALONYL-CoA DECARBOXYLASE INHIBITORS USEFUL AS METABOLIC MODULATORS"**, in the United States, which:

___ Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

X Was filed on July 21, 2003 under 35 USC 371(c) and bears the application number 10/466,926 and claiming priority to US application number 60/265,380 filed January 26, 2001 and PCT application number PCT/US02/02179 filed January 22, 2002.

In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of 5-1, **Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: **CH010-01.US**

Full name of inventor: Thomas Arrhenius
Residence Address: 12744 Via Esperia, Del Mar, CA 92014
Citizenship: Sweden
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Mi Chen
Residence Address: 7746 Roan Road, San Diego, CA 92129
Citizenship: People's Republic of China
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Mi Chen, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jie Fei ChengResidence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jie Fei Cheng, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Yujin HuangResidence Address: 11410 Miro Circle, San Diego, CA 92131Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Yujin Huang, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Alex Michael Nadzan
Residence Address: 1820 Westview Drive, Encinitas, CA 92024
Citizenship: United States of America
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Alex Michael Nadzan, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Sovouthy Tith
Residence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126
Citizenship: United States of America
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 8540 Costa Verde Blvd., #4410, San Diego, CA 92122Citizenship: People's Republic of China

Inventor's signature _____ Date _____

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WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro NishimotoResidence Address: 58-1-203 Chabatake, Susono-shi, ShizuokaCitizenship: JapanInventor's signature Masahiro Nishimoto Date 2004/9/7Witness signature Masahiro Nishimoto Date sep. 7th, 2004Full name of inventor: Gary D. LopaschukResidence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,8B 1A4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

ASSIGNMENT

WE have invented certain new and useful improvements for which WE have executed a patent application entitled **"MALONYL-CoA DECARBOXYLASE INHIBITORS USEFUL AS METABOLIC MODULATORS"**, in the United States, which:

___ Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

X Was filed on July 21, 2003 under 35 USC 371(c) and bears the application number 10/466,926 and claiming priority to US application number 60/265,380 filed January 26, 2001 and PCT application number PCT/US02/02179 filed January 22, 2002.

In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of 5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas ArrheniusResidence Address: 12744 Via Esperia, Del Mar, CA 92014Citizenship: Sweden

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Mi ChenResidence Address: 7746 Roan Road, San Diego, CA 92129Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Mi Chen, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jie Fei ChengResidence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jie Fei Cheng, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Yujin HuangResidence Address: 11410 Miro Circle, San Diego, CA 92131Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Yujin Huang, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Alex Michael Nadzan
Residence Address: 1820 Westview Drive, Encinitas, CA 92024
Citizenship: United States of America
Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Alex Michael Nadzan, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

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[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Sovouthy Tith
Residence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126
Citizenship: United States of America
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[SEAL]

Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: David Mark Wallace
Residence Address: 6448 Peinado Way, San Diego, CA 92121
Citizenship: United States of America
Inventor's signature _____ Date _____

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[SEAL]

Signature _____
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Signature _____
NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro Nishimoto
Residence Address: 58-1-203 Chabatake, Susono-shi, Shizuoka
Citizenship: Japan
Inventor's signature _____ Date _____

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WITNESS my hand and official seal.

[SEAL]

Signature _____
NOTARY PUBLIC

Full name of inventor: Gary D. Lopaschuk
Residence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4
Citizenship: Canadian
Inventor's signature _____ Date May 13/04

On MAY 13, 2004 before me Laine M. Woollard, ~~Barrister and Solicitor, Notary Public~~ Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature Laine M. Woollard
NOTARY PUBLIC
Laine M. Woollard
Barrister and Solicitor, Notary Public

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,8B 1A4Citizenship: Canadian

Inventor's signature _____ Date _____

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[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

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___ Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

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As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of 5-1, **Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas ArrheniusResidence Address: 12744 Via Esperia, Del Mar, CA 92014Citizenship: Sweden

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

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Full name of inventor: Mi ChenResidence Address: 7746 Roan Road, San Diego, CA 92129Citizenship: People's Republic of China

Inventor's signature _____ Date _____

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Docket Number: CH010-01.US

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Inventor's signature _____ Date _____

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WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Alex Michael NadzanResidence Address: 1820 Westview Drive, Encinitas, CA 92024Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Alex Michael Nadzan, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Sovouthy TithResidence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of America

Inventor's signature _____

Date _____

On _____ before me, _____, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 3201 Sawtelle Blvd., #209, Los Angeles, CA 90066Citizenship: People's Republic of China

Inventor's signature _____

Date 06/07/04

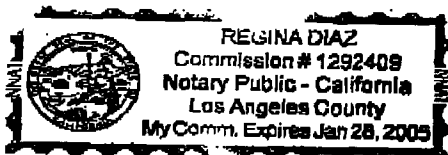
On June 7, 2004 before me, Regina Diaz, Notary Public, personally appeared Bin Liu, personally known to me (or proved on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC



Docket Number: CH010-01.US

Full name of inventor: Masahiro NishimotoResidence Address: 58-1-203 Chabatake, Susono-shi, ShizuokaCitizenship: Japan

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Masahiro Nishimoto, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Gary D. LopaschukResidence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,
8B 1A4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01,US

ASSIGNMENT

WE have invented certain new and useful improvements for which WE have executed a patent application entitled **"MALONYL-CoA DECARBOXYLASE INHIBITORS USEFUL AS METABOLIC MODULATORS"**, in the United States, which:

 Is filed herewith, and WE hereby authorize the assignee below to add the serial number assigned to this application, when assigned, without our reexecution or reassignment.

 X Was filed on July 21, 2003 under 35 USC 371(c) and bears the application number 10/466,926 and claiming priority to US application number 60/265,380 filed January 26, 2001 and PCT application number PCT/US02/02179 filed January 22, 2002.

In consideration of the sum of One Dollar (\$1.00) and other good, valuable consideration, the receipt of which is hereby acknowledged, we, the inventors and Assignors, hereby acknowledge for ourselves and for our heirs, legal representatives and assigns that:

As of the filing date of the earliest described application above, WE have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Chugai Seiyaku Kabushiki Kaisha** (also known as Chugai Pharmaceutical Company, Limited), having an office at 1-9, Kyobashi 2-chome, Chuo-ku, Tokyo 104-8301, Japan, a statutory address of **5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan**, and a mailing address of 6225 Nancy Ridge Dr., San Diego, California 92121, its successors, legal representatives and assigns, (the ASSIGNEE) the entire right, title, and interest throughout the world in this invention, its improvements and that application for United States Patent executed by us, and all divisions, renewals, continuations and continuations-in part thereof, and any patents, inventor's certificate or like rights of exclusion granted therefrom and all reissues and extensions thereof, and all rights of priority under 35 USC 119(e)(1) and under International Conventions, including but not limited to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and patent applications hereafter filed for said improvements in any other country or countries, and any patents, inventor's certificate or like rights of exclusion granted therefrom, and all extensions, renewals and reissues thereof.

The Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, is to issue all Letters Patent for said improvements to the assignee in accordance with the terms of this instrument.

The Assignee can apply in any or all countries in our names or in its own name for patents, inventor's certificates, or like rights of exclusion for said inventions and improvements; and WE agree without further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Agreement.

WE will communicate to ASSIGNEE all facts known to us concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all continuation, division, continuation-in-part and reissue applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

Docket Number: CH010-01.US

Full name of inventor: Thomas ArrheniusResidence Address: 12744 Via Esperia, Del Mar, CA 92014Citizenship: Sweden

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Thomas Arrhenius, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Mi ChenResidence Address: 7746 Roan Road, San Diego, CA 92129Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Mi Chen, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jie Fei ChengResidence Address: 7781 Paseo La Jolla, Carlsbad, CA 92009Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Jie Fei Cheng, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Yujin HuangResidence Address: 11410 Miro Circle, San Diego, CA 92131Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Yujin Huang, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: **CH010-01.US**Full name of inventor: Alex Michael NadzanResidence Address: 1820 Westview Drive, Encinitas, CA 92024Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Alex Michael Nadzan, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Sovouthy TithResidence Address: 9494 Carroll Canyon Rd., Apt., #122, San Diego, CA 92126Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Sovouthy Tith, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: David Mark WallaceResidence Address: 6448 Peinado Way, San Diego, CA 92121Citizenship: United States of America

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared David Mark Wallace, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Bin LiuResidence Address: 8540 Costa Verde Blvd., #4410, San Diego, CA 92122Citizenship: People's Republic of China

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Bin Liu, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Masahiro NishimotoResidence Address: 58-1-203 Chabatake, Susono-shi, ShizuokaCitizenship: Japan

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Masahiro Nishimoto, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Full name of inventor: Gary D. LopaschukResidence Address: 9 Promontory Point, Edmonton, Alberta, Canada, T6R 1H4Citizenship: Canadian

Inventor's signature _____ Date _____

On _____ before me, _____, Notary Public, personally appeared Gary D. Lopaschuk, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

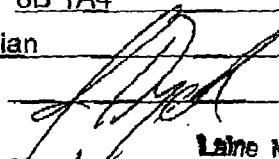
WITNESS my hand and official seal.

[SEAL]

Signature _____

NOTARY PUBLIC

Docket Number: CH010-01.US

Full name of inventor: Jason R. DyckResidence Address: 37-52147 Range Road 231, Sherwood Park, Alberta, Canada,8B 1A4Citizenship: CanadianInventor's signature Date MAY 13, 2004

On MAY 13, 2004 before me, Laine M. Woodard
Barrister and Solicitor, Notary Public, personally
appeared Jason R. Dyck, personally known to me (or proved 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 executed the same in his/her authorized capacity, and that by
his/her signature on the instrument, the person or the entity upon behalf of which the person
acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Signature 

NOTARY PUBLIC

Laine M. Woodard
Barrister and Solicitor, Notary Public