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Name(s): John Dorrance Minna, Yoshitaka Sekido, and Boning Gao
Execution Date(s): March 14, 2002; March 15, 2002; and March 14, 2002, respectively

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Name The Board of Regents of the University of Texas System
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B. Patent Application No.(s) or Patent No.(s): 10/116,949
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9. Correspondent's name, address, and telephone number
Gillian L. Bunker, Ph.D.
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Gillian L. Bunker, Ph.D.
Name of Person Signing

Gillian L. Bunker
Signature

September 13, 2002
Date

09/20/2002 6TOM11 00000196 10116949
01 FC:581 40.00 DP

cc: Docketing

PATENT
REEL: 13301 FRAME: 0653

Attorney Docket No.: NIH-05043

ASSIGNMENT

WHEREAS, WE, Michael Isaac Lerman, Farida Latif, Ming-Hui Wei, Fuh-Mei Duh, hereinafter referred to as "ASSIGNOR", 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: **CALCIUM CHANNEL COMPOSITIONS AND METHODS OF USE THEREOF**

Filing Date: 12/22/99

Serial No.: 09/470,443

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the provisional application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I hereby assign and transfer to the United States of America, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title, and interest in and to such application, and any continuation, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

I further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Michael Isaac Lerman

Farida Latif (24 June 2002)
Farida Latif

Ming-Hui Wei

Fuh-Mei Duh

STATE OF _____)
COUNTY OF _____)

ss.

On this 24 day of June, in the year of 2002, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

Professor Eamon R Maher
Professor of Medical Genetics
University of Birmingham
Birmingham, U.K.

SEAL

[Signature]
NOTARY PUBLIC

Attorney Docket No.: NIII-05049

ASSIGNMENT

WHEREAS, WE, Michael Isaac Lorman, Farida Latif, Ming-Hui Wei, Fuh-Mei Duh, hereinafter referred to as "ASSIGNOR", 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: CALCIUM CHANNEL COMPOSITIONS AND METHODS OF USE THEREOF

Filing Date: 12/22/99 Serial No.: 09/470,443

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I further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Michael Isaac Lorman

Farida Latif

Ming-Hui Wei

Fuh-Mei Duh

STATE OF Maryland)
COUNTY OF WASHINGTON, DC)
USA

On this 24th day of June in the year of 2002 before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

NOTARY PUBLIC

SEAL

JUN 24 2002 02:25PM PT

PHONE NO. : 301 540 7514

FROM : Xiang Wang & Minghui Wei