

Form PTO-1595 (Rev. 06/04)

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To the Director of the U.S. Patent and Trademark Office. Please record the attached documents or the address(es) below..

1. Name of conveying party(ies)/Execution Date(s):

Qing Wang, Ph.D.

Execution Date(s): July 7, 2004

Additional name(s) of conveying party(ies) attached?

attached? ☐ Yes ☒ No

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

NAME: Howard Hughes Medical Institute

ADDRESS: 4000 Jones Bridge Road
Chevy Chase, Maryland 20815

3. Name of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

Additional name(s) & addresses(es) attached?

☐ Yes ☒ No4. Application number(s) or patent number(s): ☐

This document is being filed together with a new application

A. Patent Application No.(s)

10/368,643

B. Patent No.(s)

6,582,913; 6,451,534; 6,420,124; 6,277,978

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jeffrey L. Ihnen
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Attorney Docket Nos.: 2323-133; 2323-151;
2323-152; 2323-153; 2323-1636. Total number of applications and patents involved: 57. Total fee (37 CFR 3.41): . . . \$ 200.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account
☐ None required (government interest not affecting title)

8. Deposit account number: 02-2135

Authorized User Name Jeffrey L. Ihnen

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9. Signature.


 Signature
23 March 2005
Date

Jeffrey L. Ihnen, Reg. No. 28,957

Name of Person Signing

Total number of pages including cover sheet, attachments and documents: 4

CH \$200.00 022135 10368643

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PATENT
REEL: 015953 FRAME: 0355

ASSIGNMENT

Assignment made July 7, 2004, by Qing Wang, PhD ("Inventor")
to the Howard Hughes Medical Institute, a Delaware corporation (the "Institute").

Recitals

WHEREAS, Inventor was an employee of the Institute and, as a condition of his employment, has signed the Agreement appended to the Institute's Policy on Intellectual Property (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor has agreed (a) to assign to the Institute all rights he may acquire in any invention, discovery, improvement, or other intellectual property, whether or not patentable or copyrightable, developed directly or indirectly as a result of a program of research financed by Institute funds or funds under the control of the Institute (each a "Subject Property") and (b) to execute any agreements that may be desired by the Institute in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "KVLQT1 - A Long QT Syndrome Gene Which Encodes KVLQT1 Which Coassembles With minK to Form Cardiac IKs Potassium Channels" which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to make a formal assignment of his interest in the Invention to the Institute, and the Institute desires the execution of a formal assignment of all of Inventor's right, title, and interest in the Invention.

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:

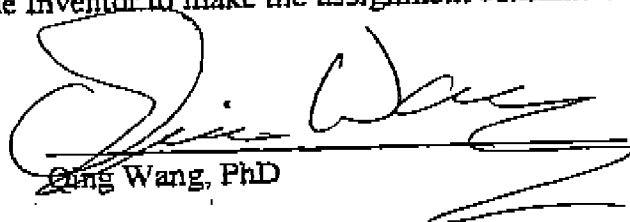
1. Assignment. Inventor hereby assigns to the Institute his entire right, title, and interest in the Invention; any United State patent applications and all corresponding foreign patent applications which are directed to the Invention (including, without limitation, the patent application and patents listed on Exhibit A), and any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the foregoing, and any and all patents issued therefrom; and all claims which are directed to the Invention and which may be contained in continuation-in-part applications or in patents which issue therefrom.

2. Cooperation. Inventor agrees to execute upon request such further assignments, documents, and other instruments as may be necessary or desirable to assign Inventor's entire right, title and interest in the Invention to the Institute and to assist the Institute (or others at the direction of the Institute) in applying for, obtaining, and enforcing patents, copyrights, or other rights in the United States and in any foreign country with respect to the Invention.

3. Parties. The terms and provisions of the Assignment shall inure to the benefit of the Institute and its successors and assigns and shall be binding on the Inventor and his heirs, personal representatives and assigns.

4. Warranty. Inventor warrants and represents that he has not entered into any assignment, contract, or understanding in conflict herewith, and that there is no other person or entity whose consent is required in order for the Inventor to make the assignment contained herein.

Inventor:


Qing Wang, PhD

State of Ohio

County of Cuyahoga

Then personally appeared before me the above-named Qing Wang, PhD and acknowledged that he executed the foregoing instrument in his authorized capacity this 7th day of July, 2004

Notary Public:



CAROL J. TORRE

(print name)

My Commission Expires: _____

(SEAL)

U-2241
HHMI 00987

CAROL J. TORRE
Notary Public - State of Ohio
My Commission Expires May 13, 2008

Exhibit A

Invention Title	Patent Number	Filing Date/Issue Date
KVLQT1-A Long QT Syndrome Gene	6,582,913	June 24, 2003
KVLQT1-A Long QT Syndrome Gene	6,451,534	September 17, 2002
KVLQT1-A Long QT Syndrome Gene	6,420,124	July 16, 2002
KVLQT1-A Long QT Syndrome Gene	6,277,978	August 21, 2001
KVLQT1-A Long QT Syndrome Gene	10/368,643	February 20, 2003