

10/302231



U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

102463088

and Trademarks: Please record the attached original document(s) or copy(ies).

<b>Submission Type</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation) Document ID # <input type="checkbox"/> Correction of PTO Error Reel #                  Frame # <input type="checkbox"/> Corrective Document Reel #                  Frame #		<b>Conveyance Type</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> License <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  <div style="text-align: right; font-size: 1.5em;">2. 21 03</div>	
<b>Conveying Party(ies)</b> 1. Terrence R. BURKE, Jr. 2. Chang-Qing WEI 3. Johannes H. VOIGT 4. Yang GAO 5. 6. <input type="checkbox"/> Mark if Additional Names of Conveying Parties Attached		<b>Execution Date(s)</b> February 19, 2003 February 17, 2003 February 20, 2003 February 18, 2003	
<b>Receiving Party</b> Name            The Government of the United States of America Name            represented by the Secretary, Department of Health and Human Services Address        6011 Executive Boulevard Address        Suite 325 Address <u>Rockville</u> <u>Maryland, USA</u> <u>20852-3804</u> City                                      State/Country                      Zip Code <input type="checkbox"/> Mark if Additional Names of Receiving Parties Attached			
<b>Correspondent Name and Address</b>  Xavier Pillai Leydig, Voit & Mayer 700 Thirteenth St., N.W. Suite 300 Washington, D.C. 20005-3960		<div style="font-size: 1.5em; transform: rotate(-10deg); position: relative; left: -50px; top: -20px;">10367731</div> <div style="position: absolute; right: 0; bottom: 0;">           Telephone: (202) 737-6770            Facsimile: (202) 737-6776            Attorney Docket No. 402499/NIH         </div>	
<b>Pages</b> Enter the total number of pages of the attached conveyance document including any attachments:     5			
<b>Application Number(s) or Patent Number(s)</b> <input type="checkbox"/> Mark if additional numbers attached <small>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</small>			
<b>Patent Application Numbers</b>		<b>Patent Numbers</b>	
If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.			Month Day Year February 19, 2003
<b>Patent Cooperation Treaty (PCT)</b> Enter PCT application number <i>only</i> if a U.S. Application Number has not been assigned.			
		PCT PCT/US01/26078	PCT
		PCT	PCT
<b>Number of Properties</b> Enter the total number of properties involved:     1			
<b>Fee Amount</b> Fee Amount for Properties Listed (37 CFR 3.41): 40.00  Method of Payment: <input type="checkbox"/> Enclosed is a check in the amount of \$ <input checked="" type="checkbox"/> Charge Deposit Account No. 12-1216 Authorization to Charge Additional Fees to Deposit Account No. 12-1216: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Statement and Signature</b> 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. Charges to deposit account are authorized, as indicated herein.			
Xavier Pillai		<i>Xavier Pillai</i>	February 21, 2003
Name of Person Signing		Signature	Date

**PATENT**  
**REEL: 014121 FRAME: 0642**

Leydig, Voit & Mayer  
700 Thirteenth Street, NW  
Suite 300  
Washington, DC 20005

### ASSIGNMENT

**WHEREAS, WE, Terrence R. BURKE, Jr., Chang-Qing WEI, Johannes H. VOIGT and Yang GAO**, employees of the Department of Health and Human Services, have invented a certain invention entitled:

#### **SH2 DOMAIN BINDING INHIBITORS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on \_\_\_\_\_, under U.S. Application No. \_\_\_\_\_, and

**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 of America (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but

Date 2/17/03

W - is Wei  
Chang-Qing WEI

STATE OF Ontario )  
COUNTY OF Canada ) SS:

On this 20th day of FEBRUARY, 2003, before me, a Notary Public in and for said county, appeared **Chang-Qing WEI**, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

WITNESS Notary Public

(PRABHAT ARYA)  
SENIOR RESEARCH OFFICER  
NATIONAL RESEARCH COUNCIL  
CANADA  
FEB 25/2003

My Commission Expires: \_\_\_\_\_

Date \_\_\_\_\_

Johannes H. VOIGT

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, a Notary Public in and for said county, appeared **Johannes H. VOIGT**, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

Notary Public

My Commission Expires: \_\_\_\_\_

forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute and deliver such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date 2/19/2003

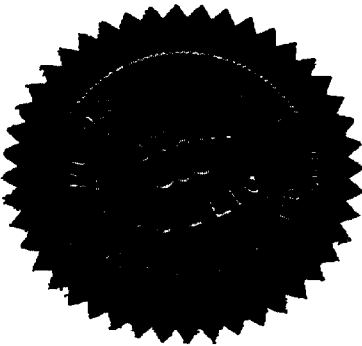
Terrence R. Burke, Jr.  
Terrence R. BURKE, Jr.

STATE OF Maryland )  
COUNTY OF Montgomery ) SS:

On this 19<sup>th</sup> day of February, 2003, before me, a Notary Public in and for said county, appeared Terrence R. BURKE, Jr., who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Melinda A. Adams  
Notary Public

My Commission Expires: 10/26/03



Date \_\_\_\_\_

Chang-Qing WEI

STATE OF \_\_\_\_\_ )

) SS:

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, a Notary Public in and for said county, appeared Chang-Qing WEI, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

{SEAL}

My Commission Expires: \_\_\_\_\_

Date 02/20/2003

Johannes H. VOIGT  
Johannes H. VOIGT

STATE OF NJ )

) SS:

COUNTY OF Union )

On this 20<sup>th</sup> day of February, 2003, before me, a Notary Public in and for said county, appeared Johannes H. VOIGT, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Karen Johnston  
Notary Public

{SEAL}

My Commission Expires: July 27, 2005

**"OFFICIAL SEAL"**  
KAREN JOHNSTON  
NOTARY PUBLIC, STATE OF NEW JERSEY  
MY COMMISSION EXPIRES JULY 27, 2005

Date 02/18/2003

Yang GAO  
Yang GAO

STATE OF Connecticut )  
COUNTY OF New Haven ) SS:

On this 18<sup>th</sup> day of February, 2003, before me, a Notary Public in and for said county, appeared Yang GAO who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Marion L. Klessner  
Notary Public

(SEAL)

My Commission Expires: 10/31/04



=====

MARION L. KLESSER  
Notary Public, State of Connecticut  
County of New Haven  
My Commission Expires 10/31/04



NIH Assignment\_Appln\_Joint-Notary (Rev. 8/14/02)