

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>ZHEN MIN HE</td><td>02/20/2009</td></tr><tr><td>LAWRENCE W. DILLARD</td><td>03/05/2009</td></tr><tr><td>VINH D. TRAN</td><td>04/30/2009</td></tr><tr><td>DOUGLAS W. HOBBS</td><td>03/04/2009</td></tr><tr><td>RAY A. JAMES</td><td>05/08/2009</td></tr><tr><td>HAENGSOON PARK</td><td>05/14/2009</td></tr><tr><td>VIDYADHAR PARADKAR</td><td>07/14/2009</td></tr></tbody></table>		Name	Execution Date	ZHEN MIN HE	02/20/2009	LAWRENCE W. DILLARD	03/05/2009	VINH D. TRAN	04/30/2009	DOUGLAS W. HOBBS	03/04/2009	RAY A. JAMES	05/08/2009	HAENGSOON PARK	05/14/2009	VIDYADHAR PARADKAR	07/14/2009
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<table border="1"><tr><td>Name:</td><td>PHARMACOEPIA, LLC</td></tr><tr><td>Street Address:</td><td>10275 SCIENCE CENTER DRIVE</td></tr><tr><td>City:</td><td>SAN DIEGO</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92121</td></tr></table>		Name:	PHARMACOEPIA, LLC	Street Address:	10275 SCIENCE CENTER DRIVE	City:	SAN DIEGO	State/Country:	CALIFORNIA	Postal Code:	92121						
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CORRESPONDENCE DATA																	
Fax Number: (908)298-5388 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 908-298-5255																	
Email: shawn.m.armstrong@spcorp.com																	
Correspondent Name: SCHERING-PLOUGH CORPORATION																	
Address Line 1: 2000 GALLOPING HILL ROAD																	
Address Line 2: K-6-1, 1990																	
Address Line 4: KENILWORTH, NEW JERSEY 07033																	
ATTORNEY DOCKET NUMBER:	OC01617K1BK																

CH \$40.00 11788847

500918541

PATENT
REEL: 022999 FRAME: 0821

NAME OF SUBMITTER:

SHAWN ARMSTRONG

Total Attachments: 9

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ASSIGNMENT

This assignment supersedes any and all previous assignments of United States Patent Application **Serial Number 11/788,847** said application filed with the United States Patent and Trademark Office on **April 20, 2007**, that have and/or may have been executed by the inventors listed herein.

WHEREAS, we,

Zhen Min He, a citizen of the United States, residing at 111 Huang Hai Road, 4th Avenue, TEDA, Tianjin, Peoples Republic of China, 300457;

Lawrence W. Dillard, a citizen of the United States, residing at 496 Kings Road, Yardley, Pennsylvania 19067;

Vinh D. Tran, a citizen of the United States, residing at 10382 Morning Glory, Fountain Valley, California 92708;

Douglas W. Hobbs, a citizen of the United States, residing at 16330 Wilson Farm Drive, Chesterfield, Missouri 63005; and

have invented certain new and useful improvements in

NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS


which are the subject of United States Patent Application **Serial Number 11/788,847** and filed with the United States Patent and Trademark Office on **April 20, 2007**; and

WHEREAS, **Pharmacopeia, LLC** having offices at 10275 Science Center Drive, San Diego, California 92121, is desirous of obtaining the entire right, title and interest in, to and under said improvements and said application; and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which we hereby acknowledge, we, **Zhen Min He, Lawrence W. Dillard, Vinh D. Tran, Douglas W. Hobbs**, and **Paul Kirschmeier** do hereby assign, transfer and set over, unto said **Pharmacopeia, LLC**, its successors, legal representatives and assigns, the entire right title and interest in, to and under said improvements, of said provisional application - including the right to claim priority to said application - all non-provisional patent applications arising therefrom, and all divisions, renewals and continuations thereof, and all Letters Patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request 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 on applications


countries.

Date: 02/20/2009


Zhen Min He


WITNESSED:

DATE: 02/20/2009


[SIGNATURE OF WITNESS]
MUSHEER Xu
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 02/20/2009


[SIGNATURE OF WITNESS]
Ruijian Ma
[PRINTED NAME OF WITNESS]

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____,
20____.

Lawrence W. Dillard

STATE OF _____)
)ss:
COUNTY OF _____)

On this ____ day of _____, 20____, before me personally came **Lawrence W. Dillard**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.

Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Lawrence W. Dillard

STATE OF _____)
)ss:
COUNTY OF _____)

On this ____ day of _____, 20____, before me personally came **Lawrence W. Dillard**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.

Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of April, 2009.

Vinh D. Tran

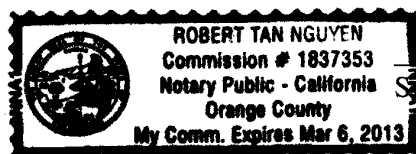
STATE OF CALIFORNIA)
)ss:
COUNTY OF Orange)

On 4/30/2009, before me, Robert Tan Nguyen, notary public, personally appeared Vinh D. Tran who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]



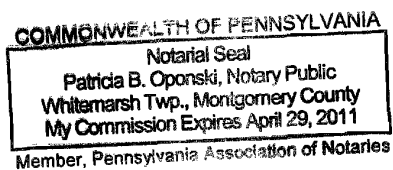
Signature of Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5th day of March, 2009.

Lawrence W. Dillard
Lawrence W. Dillard

STATE OF PA)
COUNTY OF Montgomery)ss:

On this 5th day of March, 2009, before me personally came **Lawrence W. Dillard**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.



Patricia B. Oponski
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

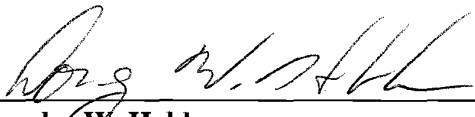
Vinh D. Tran
Vinh D. Tran

STATE OF CALIFORNIA)
COUNTY OF _____)ss:

Subscribed and sworn to (or affirmed) before me on this ____ day of _____, 20__, by **Vinh D. Tran** proved to me on the basis of satisfactory evidence to be the person who appeared before me.

Signature of Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4 day of
March, 2009.

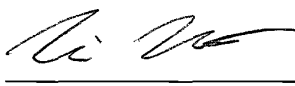


Douglas W. Hobbs

STATE OF Missouri)
COUNTY OF St. Louis)ss:

On this 4th day of March, 2009, before me personally came
Douglas W. Hobbs to me known and known to me to be the person of that name, who signed
and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and
deed.





Notary Public

ASSIGNMENT

This assignment supersedes any and all previous assignments of United States Patent Application **Serial Number 11/788,847** said application filed with the United States Patent and Trademark Office on **April 20, 2007**, that have and/or may have been executed by the inventors listed herein.

WHEREAS, we,

Ray A. James, a citizen of the United States, residing at 6263 Sterling Avenue, Bensalem, Pennsylvania 19020

Haengsoon Park, a citizen of the Republic of Korea, residing at 8910 Tamarron Drive, Plainsboro, New Jersey, 08536; and

Vidyadhar Paradkar, a citizen of the United States, residing at 3 Pine Ridge Drive, Branchburg, New Jersey, 08876

have invented certain new and useful improvements in

NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS

which are the subject of United States Patent Application **Serial Number 11/788,847** and filed with the United States Patent and Trademark Office on **April 20, 2007**; and

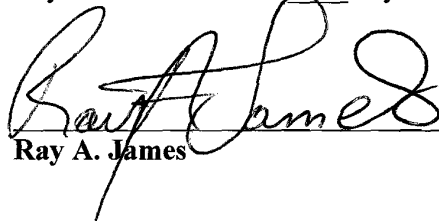
WHEREAS, **Pharmacopeia, LLC** having offices at 10275 Science Center Drive, San Diego, California 92121, is desirous of obtaining the entire right, title and interest in, to and under said improvements and said application; and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which we hereby acknowledge, we, **Ray A. James, Haengsoon Park, and Vidyadhar Paradkar** do hereby assign, transfer and set over, unto said **Pharmacopeia, LLC**, its successors, legal representatives and assigns, the entire right title and interest in, to and under said improvements, of said provisional application - including the right to claim priority to said application - all non-provisional patent applications arising therefrom, and all divisions, renewals and continuations thereof, and all Letters Patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request 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 on applications as aforesaid, to issue all Letters Patent for said improvements to said **Pharmacopeia, LLC**, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND WE HEREBY covenant that We have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

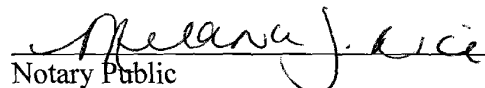
AND WE HEREBY further covenant and agree that we will communicate to said **Pharmacopeia, LLC**, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said **Pharmacopeia, LLC**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of May, 2009.


Ray A. James

STATE OF NJ)
COUNTY OF Middlesex)ss:

On this 8th day of May, 2009, before me personally came **Ray A. James**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.


Notary Public

MELANIE J. RICE
A Notary Public of New Jersey
My Commission Expires June 12, 2012

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14 day of
May, 2009.

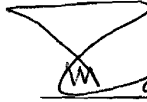
Haengsoon Park
Haengsoon Park

STATE OF New Jersey)
COUNTY OF Middlesex)ss:

On this 14 day of May, 2009, before me personally came
Haengsoon Park, to me known and known to me to be the person of that name, who signed and
sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.

Maryann Bartholomeu
Notary Public **MARYANN BARTHOLOMEW**
NOTARY PUBLIC
STATE OF NEW JERSEY
My Commission Expires May 2, 2012

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of July, 2009.



Vidyadhar Paradkar

STATE OF

New Jersey

COUNTY OF

Somerset) ss:

On this 14 day of July, 2009, before me personally came **Vidyadhar Paradkar** to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he/she acknowledged the same to be his free act and deed.



Notary Public

