

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4284882

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKAO SUZUKI	02/11/2015
JOSEPH P. VACCA	02/19/2015
SHOUNING XU	02/11/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WUXI APPTec (SHANGHAI) CO., LTD.
<b>Street Address:</b>	288 FUTE ZHONG ROAD, NO. 1 BUILDING
<b>Internal Address:</b>	WAIGAOQIAO FREE TRADE ZONE
<b>City:</b>	SHANGHAI
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	200131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15505620
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	732 594-4000
<b>Email:</b>	us_efs@merck.com
<b>Correspondent Name:</b>	MERCK & CO., INC.
<b>Address Line 1:</b>	P. O. BOX 2000
<b>Address Line 2:</b>	RY86-2011A
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 07065
<b>ATTORNEY DOCKET NUMBER:</b>	23865-US-PCT
<b>NAME OF SUBMITTER:</b>	PAMELA SPALDING
<b>SIGNATURE:</b>	/Pamela Spalding/
<b>DATE SIGNED:</b>	02/22/2017
<b>Total Attachments: 8</b>	
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**WORLDWIDE ASSIGNMENT**

**全球性转让**

WHEREAS, I/WE,

鉴于, 我/我们

- (1) Takao Suzuki, located at Shanghai, China,
- (2) Joseph P. Vacca, located at Lansdale, PA,
- (3) Shouning Xu, located at Shanghai, China,

- (1) \_\_\_\_\_, 位于 \_\_\_\_\_
- (2) \_\_\_\_\_, 位于 \_\_\_\_\_
- (3) \_\_\_\_\_, 位于 \_\_\_\_\_

(hereinafter ASSIGNOR(S)), together with

(以下称为让与人), 与

Fa-Xiang Ding,

\_\_\_\_\_  
位于 \_\_\_\_\_;

located at Staten Island, NY;

\_\_\_\_\_  
位于 \_\_\_\_\_;

Shuzhi Dong,

located at Plainsboro, NJ; and

\_\_\_\_\_  
位于 \_\_\_\_\_

Jinlong Jiang,

located at Scotch Plains, NJ;

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

为具有上文所标示的律师卷号及下述发明名称中的专利申请所述发明的发明人:

**INHIBITORS OF THE RENAL OUTER MEDULLARY POTASSIUM CHANNEL**

\_\_\_\_\_

and/or in the following application(s):

且/或于下述申请:

U.S. Application No. 15/505,620 having a filing date of 2/22/2017; and PCT International Application No. PCT/CN2014/089999 having a filing date of October 31, 2014.

申请日为 \_\_\_\_\_ 的 PCT 国际申请号 \_\_\_\_\_。

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

鉴于, 我/我们约定兹转让的权利和所有权系无任何权利瑕疵, 且我/我们对在此所转让的该权利和所有权拥有全部权利。

Attorney Docket No.: 23865

律师案号: 23865

WHEREAS, WuXi AppTec (Shanghai) Co., Ltd., a corporation organized under the laws of China, having an office at No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, China, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

鉴于, [上海药明康德新药开发有限公司],

依照 [中国] 的法律建立的公司, 具有位于 [中国上海外高桥保税区富特中路 288 号 1 号楼, 200131] 的办公地点, 以及其权利继承人, 受让人和法定代表人 (以下称为**受让人**), 希望获取在所述申请中披露的发明的全部权利、权力及利益;

因此, 出于在此确认已经收到的有效及有价值的对价, 我/我们, 即让与人, 将我/我们在下述事项中描述的全部权利、权力及利益在此出售、出让并转移或确认其让渡及转让予所述**受让人**: 在世界上所有国家中对我/我们描述于所述专利申请中的发明的全部权利、权力及利益; 对任意以**受让人**、其指定代理人的名义, 或以我/我们中部分或全部的名义在世界上所有国家提交关于前述发明的专利申请的权利, 以及在前述国家中源自前述专利申请所有基于《保护工业产权巴黎公约》、《涉及发明、专利、设计和工业模型的美洲公约》及涉及专利或知识产权的任何其它国际协议的优先权的全部权利、权力及利益; 对源于前述专利申请而授权的任何及所有专利证书的全部权利、权力及利益; 对任何针对根据上述发明提交的临时专利申请或其它申请要求优先权利益的申请的的全部权利、权力及利益; 以及对任何上述专利证书的继续、分案、再审、再颁专利、维持及延期的全部权利、权力及利益, **受让人**持有并享有前述权利、权利及利益直到所述所有可能获得的专利证书的期限完全到期, 与如果该转让及买卖未发生我们应持有和享有的全部权利、权力及利益全部和完全相同。

Attorney Docket No.: 23865

律师案号: 23865

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

而且我/我们在此约定并同意我们将  
在任何时间, 依受让人要求, 由受让人  
负担费用, 并不再请求附加的补偿或费用,  
签署并交付任何及所有可能对于完善  
前述发明、专利申请及专利证书的权利,  
及其以受让人名义的继续、分案、再申、  
再颁专利、维持及延期而必要及所需文件,  
包括签署并获取任何及全部用于证明该转让  
及买卖的进一步的文件, 而这些文件对于  
在任何所涉及的国家的专利局登记该转让  
及买卖可能是必要或需要的, 且我们将会  
为获取所述文件或协助获取所述文件  
的需要而进行所有正当的宣誓及声明和  
进行所有合法的行为。

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

我/我们藉此授予受让人在接受正式  
通知时在本文件上填写所述专利申请的专利  
申请号及申请日的权利。

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

本文件可以制作任何数目的副本,  
所有由此制作的副本均视为原件,  
但其全部副本应一起构成仅一个且相同  
的文件。

Executed this 11 day of Feb, 2015.

签署于 20\_\_ 年, \_\_ 月, \_\_ 日。

Takao Suzuki  
Takao Suzuki

**Witness**

**目击证明**

Personally appeared before me the above named **Takao Suzuki** to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this 11 day of February 2015.

本人出现在我面前, 我证明他(她)  
\_\_\_\_\_与前述文件中所述  
并签署前述文件的人为同一人,  
且我证明他(她)以自己自由  
的意愿为所述目的签署了所述文件。  
\_\_ 日, \_\_ 月, 20\_\_ 年。

Xing Li Kua:  
Witness 1 / 目击者 1

Monica Lin  
Witness 2 / 目击者 2

Attorney Docket No.: 23865

律师案号: 23865

Executed this \_\_\_\_ day of \_\_\_\_\_, 2015.

签署于 20 \_\_\_\_ 年, \_\_\_\_ 月, \_\_\_\_ 日。

\_\_\_\_\_  
Joseph P. Vacca

**Witness**

Personally appeared before me the above named **Joseph P. Vacca** to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2015.

**目击证明**

本人出现在我面前, 我证明他(她) \_\_\_\_\_ 与前述文件中所述并签署前述文件的人为同一人, 且我证明他(她)以自己自由的意愿为所述目的签署了所述文件。 \_\_\_\_ 日, \_\_\_\_ 月, 20\_\_\_\_ 年。

\_\_\_\_\_  
Witness 1 / 目击者 1

\_\_\_\_\_  
Witness 2 / 目击者 2

Executed this 11 day of Feb, 2015.

签署于 20 \_\_\_\_ 年, \_\_\_\_ 月, \_\_\_\_ 日。

Xushuming  
Shouning Xu

**Witness**

Personally appeared before me the above named **Shouning Xu** to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this 11 day of February, 2015.

**目击证明**

本人出现在我面前, 我证明他(她) \_\_\_\_\_ 与前述文件中所述并签署前述文件的人为同一人, 且我证明他(她)以自己自由的意愿为所述目的签署了所述文件。 \_\_\_\_ 日, \_\_\_\_ 月, 20\_\_\_\_ 年。

Xingli Kuai  
Witness 1 / 目击者 1

Monica Liu  
Witness 2 / 目击者 2

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,  
(1) Takao Suzuki, located at Shanghai, China,  
(2) Joseph P. Vacca, located at Lansdale, PA,  
(3) Shouning Xu, located at Shanghai, China,

(hereinafter ASSIGNOR(S)), together with

Fa-Xiang Ding,

located at Staten Island, NY;

Shuzhi Dong,

located at Plainsboro, NJ; and

Jinlong Jiang,

located at Scotch Plains, NJ;

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**INHIBITORS OF THE RENAL OUTER MEDULLARY POTASSIUM CHANNEL**

and/or in the following application(s):

U.S. Application No. 15/505,620 having a filing date of 2/22/2017; and  
PCT International Application No. PCT/CN2014/089999  
having a filing date of October 31, 2014.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

**全球性转让**

鉴于, 我/我们

- (1) \_\_\_\_\_, 位于 \_\_\_\_\_
- (2) \_\_\_\_\_, 位于 \_\_\_\_\_
- (3) \_\_\_\_\_, 位于 \_\_\_\_\_

(以下称为让与人), 与

\_\_\_\_\_,

位于 \_\_\_\_\_;

\_\_\_\_\_,

位于 \_\_\_\_\_;

\_\_\_\_\_,

位于 \_\_\_\_\_

为具有上文所标示的律师卷号及下述发明名称中的专利申请所述发明的发明人:

\_\_\_\_\_  
\_\_\_\_\_

且/或于下述申请:

申请日为 \_\_\_\_\_ 的PCT国际  
申请号 \_\_\_\_\_。

鉴于, 我/我们约定兹转让的权利和所有权系无任何权利瑕疵, 且我/我们对在此所转让的该权利和所有权拥有全部权利。

Attorney Docket No.: 23865

律师案号: 23865

WHEREAS, WuXi AppTec (Shanghai) Co., Ltd., a corporation organized under the laws of China, having an office at No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, China, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

鉴于, [上海药明康德新药开发有限公司],

依照 [中国] 的法律建立的公司, 具有位于 [中国上海外高桥保税区富特中路288号1号楼, 200131] 的办公地点, 以及其权利继承人, 受让人和法定代表人 (以下称为受让人), 希望获取在所述申请中披露的发明的全部权利、权力及利益;

因此, 出于在此确认已经收到的有效及有价值的对价, 我/我们, 即让与人, 将我/我们在下述事项中描述的全部权利、权力及利益在此出售、出让并转移或确认其让渡及转让予所述受让人: 在世界上所有国家中对我/我们描述于所述专利申请中的发明的全部权利、权力及利益; 对任意以受让人、其指定代理人的名义, 或以我/我们中部分或全部的名义在世界上所有国家提交关于前述发明的专利申请的权利, 以及在前述国家中源自前述专利申请所有基于《保护工业产权巴黎公约》、《涉及发明、专利、设计和工业模型的美洲公约》及涉及专利或知识产权的任何其它国际协议的优先权的全部权利、权力及利益; 对源于前述专利申请而授权的任何及所有专利证书的全部权利、权力及利益; 对任何针对根据上述发明提交的临时专利申请或其它申请要求优先权利益的申请的全部权利、权力及利益; 以及对任何上述专利证书的继续、分案、再审、再颁专利、维持及延期的全部权利、权力及利益, 受让人持有并享有前述权利、权力及利益直到所述所有可能获得的专利证书的期限完全到期, 与如果该转让及买卖未发生我们应持有和享有的全部权利、权力及利益全部和完全相同。

Attorney Docket No.: 23865

律师案号: 23865

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Takao Suzuki

**Witness**

Personally appeared before me the above named **Takao Suzuki** to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Witness 1 / 目击者1

\_\_\_\_\_  
Witness 2 / 目击者2

而且我/我们在此约定并同意我们将在任何时间, 依受让人要求, 由受让人负担费用, 并不再请求附加的补偿或费用, 签署并交付任何及所有可能对于完善前述发明、专利申请及专利证书的权利, 及其以受让人名义的继续、分案、再审、再颁专利、维持及延期而必要及所需文件, 包括签署并获取任何及全部用于证明该转让及买卖的进一步的文件, 而这些文件对于在任何所涉及的国家的专利局登记该转让及买卖可能是必要或需要的, 且我们将会为获取所述文件或协助获取所述文件的需要而进行所有正当的宣誓及声明和进行所有合法的行为。

我/我们藉此授予受让人在接受正式通知时在本文件上填写所述专利申请的专利申请号及申请日的权利。

本文件可以制作任何数目的副本, 所有由此制作的副本均视为原件, 但其全部副本应一起构成仅一个且相同的文件。

签署于20 \_\_\_\_ 年, \_\_\_\_ 月, \_\_\_\_日。

**目击证明**

本人出现在我面前, 我证明他(她) \_\_\_\_\_ 与前述文件中所述并签署前述文件的人为同一人, 且我证明他(她)以自己自由的意愿为所述目的签署了所述文件。 \_\_\_\_ 日, \_\_\_\_月, 20\_\_\_\_年。

Attorney Docket No.: 23865

律师案号: 23865

Executed this 19 day of Feb, 2015.

签署于20\_\_年, \_\_月, \_\_日。

Joseph P. Vacca  
Joseph P. Vacca

Witness

Personally appeared before me the above named Joseph P. Vacca to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this 19th day of Feb, 2015.

John Wai  
Witness 1 / 目击者1  
Nigel T. Hamilton  
Witness 2 / 目击者2

目击证明

本人出现在我面前, 我证明他(她) \_\_\_\_\_ 与前述文件中所述并签署前述文件的人为同一人, 且我证明他(她)以自己自由的意愿为所述目的签署了所述文件。\_\_\_\_日, \_\_月, 20\_\_年。

Executed this \_\_\_\_ day of \_\_\_\_\_, 2015.

签署于20\_\_年, \_\_月, \_\_日。

Shouning Xu

Witness

Personally appeared before me the above named Shouning Xu to me known and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2015.

\_\_\_\_\_  
Witness 1 / 目击者1

\_\_\_\_\_  
Witness 2 / 目击者2

目击证明

本人出现在我面前, 我证明他(她) \_\_\_\_\_ 与前述文件中所述并签署前述文件的人为同一人, 且我证明他(她)以自己自由的意愿为所述目的签署了所述文件。\_\_\_\_日, \_\_月, 20\_\_年。