

OLARTEMOURE

OLARTE MOURE & ASOCIADOS LTDA.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 11-124967-00003-0000

Fecha: 2011-12-22 17:39:57 Dep. 2020 DIR.NUEVASCR
Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 444 RESPUESTAREQUE Folios: 52

Señores

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

DIRECCIÓN DE NUEVAS CREACIONES

E. _____ S. _____ D. _____

Re: Expediente N°. 11-124.967

Solicitud de Patente de Invención titulada: "INHIBIDORES DE LA REPLICACIÓN DEL VIRUS DE LA HEPATITIS C."

Solicitante: MERCK SHARP & DOHME CORP.

Nuestra Ref: P2011/000164

RESPUESTA AL OFICIO N° 16789 NOTIFICADO

POR FIJACION EN LISTA No. 402, DE FECHA 27 DE OCTUBRE DE 2011,

(EXAMEN DE FORMA)

CARLOS R. OLARTE, mayor de edad y vecino de Bogotá, D.C., identificado tal como aparece al pie de mi firma, en mi carácter de apoderado de la sociedad en referencia, me permito dar respuesta al auto proferido por ese Despacho, dentro del término legal previsto en el artículo 39 de la Decisión 486 en los siguientes términos:

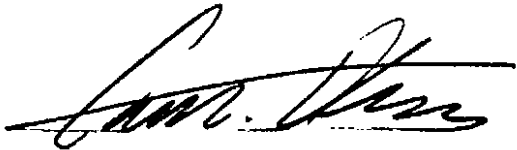
1. En respuesta a la única observación del Examinador, me permito aportar junto al presente memorial, un (1) documento de cesión debidamente legalizado, según los artículos 259 y 260 del

OLARTEMOURE

OLARTE MOURE & ASOCIADOS LTDA.

CPC, en el que consta la cesión de quince (15) inventores al solicitante, junto con su correspondiente traducción, según lo previsto en el Art. 26-k de la Decisión 486.

Atentamente,



CARLOS R. OLARTE
CC. No. 79.782.747 de Bogotá
T.P. 74.295

Adjunto: Cesión

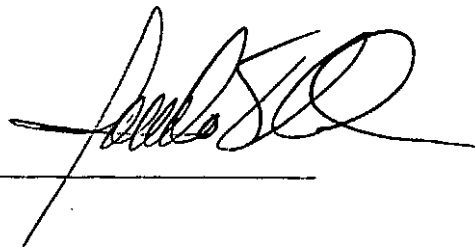
11/164.

ROBERTO M. OLARTE GARCIA
Traductor e Intérprete Oficial
Resolución No. 0041
Minijusticia 1996

3

Este documento público es una traducción al español de un documento en idioma inglés presentado ante mí.

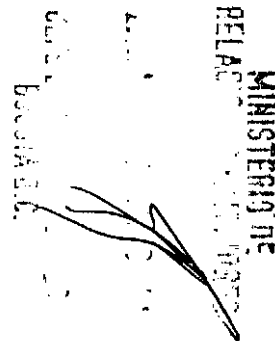
ROBERTO M. OLARTE GARCÍA
Traductor e Intérprete Oficial
Ministerio de Justicia
Licencia 0041/1996



APOSTILLA

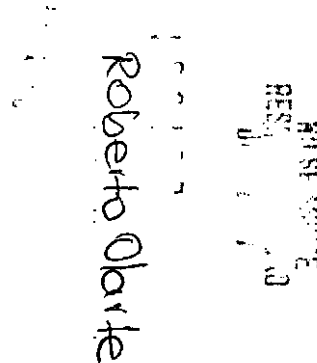
(Convención de la Haya, Octubre 5, 1961)

1. PAIS: ESTADOS UNIDOS DE AMERICA
2. ESTE DOCUMENTO PÚBLICO HA SIDO FIRMADO POR:
BARBARA ANN COZZI
3. ACTUANDO EN SU CALIDAD DE:
NOTARIO PÚBLICO DE NEW JERSEY
4. LLEVA EL SELLO/TIMBRE DE:
BARBARA ANN COZZI, NOTARIO



CERTIFICA

5. EN TRENTON, NUEVA JERSEY
6. EL DIA 14 DE SEPTIEMBRE DE 2011
7. POR: Andrew P Sidamon-Eristoff
Tesorero de Estado
8. No. A436770
9. SELLO/TIMBRE: EL GRAN SELLO DEL ESTADO DE NUEVA JERSEY
10. FIRMADO (ILEGIBLE)



Número de certificado: 121555854

Verifique este certificado en:

https://www1.state.nj.us/TYTR_StandingCert/JSP/Verify_Cert.jsp

COLOMBIA

ESTADO DE NUEVA JERSEY)
CONDADO DE UNION)

Yo, **CYNTHIA A. FRANCISCO**, por medio de la presente juro que las fotocopias adjuntas de: Cesiones y Acuerdos Mundiales, Caso No. MRL-IFD-00018, titulado **"INHIBIDORES DE LA REPLICACIÓN DEL VIRUS DE LA HEPATITIS C"**, son copias auténticas, fieles y completas de los documentos originales de los cuales yo tengo responsabilidad de custodia.

Firma (ilegible)
CYNTHIA A. FRANCISCO
DIRECTOR, GESTIÓN DE ACTIVOS

Suscrito y juramentado ante mi el día 1 de septiembre de 2011.

(firma) BARBARA ANN COZZI
NOTARIO PÚBLICO

BARBARA ANN COZZI
Notario Público para el Estado de Nueva Jersey
Mi comisión vence el 30 de Noviembre de 2013

Caso Extranjero No.: MRL-IFD-00018


ROBERTO M. OLARTE GARCIA
Traductor e Interpreté Oficial
Resolución No. 0041
Minijusticia 1995

CESIÓN DE CONFIRMACIÓN

CONSIDERANDO que,

WuXi AppTec Co., Ltd., ("Cedente"), una sociedad con domicilio en No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, República Popular de China, bajo las condiciones del acuerdo "Amendment 3 of Restated Full Time Equivalents Agreement" entre el Cedente y Merck & Co., Inc., ahora Merck Sharp & Dohme Corp., ("Cesionario") con fecha 16 de julio de 2010 ("Acuerdo") cedió al Cesionario todos sus derechos de cualquier y todo invento plasmado y descrito en la Solicitud de Patente Internacional PCT No. PCT/US2010/028653, presentada el 25 de marzo de 2010; Solicitud U.S. serial No. 61/163,958, presentada el 27 de marzo de 2009; y la Solicitud U.S. serial No. 61/247,318, presentada el 30 de septiembre de 2009 ("Invenciones").

Y CONSIDERANDO, con el fin de confirmar la cesión, el Cedente ha acordado suscribir y entregar esta cesión;

ASÍ LAS COSAS, en consideración del valor recibido según el presente Acuerdo, por medio del cual se acusa recibo, el Cedente por medio de la presente confirma que ha cedido en favor del Cesionario la totalidad de su derecho, título, interés, propiedad y beneficio sobre las invenciones y solicitudes de patente y relacionadas, incluyendo cualquier y todo derecho con relación a ellas que puedan surgir en derecho, toda derecho de acción que resulte de anteriores violaciones y cualquier uso no autorizado del mismo, cualquier y toda solicitud que correspondan a las invenciones a nivel mundial, bien sea a manera de divisionales, continuaciones, re-examinaciones, re-expediciones, y extensiones de las mismas, toda patente y registros de propiedad industrial similares que pudieran otorgarse, ser concedidos o que puedan resultar a partir de las solicitudes correspondientes para las invenciones a nivel mundial (de aquí en adelante referidos como las Patentes), y cualquier derecho de prioridad que pueda ejercerse en cualquier jurisdicción que resulte de la presentación de las solicitudes de patente asociadas con las Invenciones, dichas solicitudes correspondientes y cualquier solicitud presentada con anterioridad con respecto a las Invenciones bajo convenciones, tratados internacionales o similares, de la misma manera como si las mismas hubieran sido tenidas y gozadas por el Cedente si esta cesión no se hubiese realizado;

Y EL CEDENTE, en su nombre y el de sus sucesores, cesionarios, u otros representantes legales, por medio de la presente acuerda realizar todo acto legal y suscribir y entregar sin más consideración cualquier cesión, instrumento, garantías, solicitudes u otros documentos según sean razonablemente requeridos por el Cesionario, o por sus sucesores, cesionarios, u otros representantes legales, para presentar solicitudes de patente asociadas con las Invenciones, obtener dichas Patentes y asegurar las mismas a nombre del Cesionario, o en sus sucesores, cesionarios u otros representantes legales.

Y EL CEDENTE por medio de la presente autoriza a cualquier funcionario cuyo deber sea el de conceder patentes o registros de propiedad industrial, en conceder dichas Patentes al Cesionario, y a sus sucesores, cesionarios u otros representantes legales.

Y EL CEDENTE, en nombre propio y en el de sus sucesores, cesionarios, u otros representantes legales, por medio de la presente autoriza al CESIONARIO, sus



ROB. RTO M. C. [illegible]
Traductor e Intérprete
Resolución No. 0041
Ministerio 1996

sucesores, cesionarios u otros representantes legales, incluyendo sus agentes de patentes, en modificar el presente documento de cesión para insertar o corregir la fecha de presentación, número serial u otra información de identificación de la(s) solicitud(es) de patente asociada(s) y/o Patentes según sea necesario para registrar las mismas.

EN TESTIMONIO DE LO CUAL, Cedente y Cesionario por medio de sus funcionarios con firmas autorizadas suscrito esta cesión de confirmación el día y año tal cual aparece a continuación.

WuXi AppTec Co., Ltd. (Cedente)

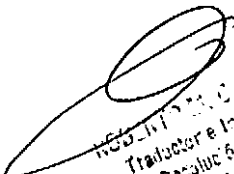
Por: (ilegible)
Nombre: Shu-Hui Chen (CSO)
Cargo :

Fecha : 9 de junio de 2011

Merck Sharp & Dohme Corp. (Cesionario)

Por : (ilegible)
Nombre : Sheldon O. Heber
Cargo: Director Jurídico, Patentes

Fecha : 14 de julio de 2011.


Notario Público en Colombia
Traductor e Interpretador
Registro No. 0041
Ministerio 1995

Procedimiento de la Corte de Justicia
Resolución No. 00-2
Ministerio de Justicia

No. 00-2
 cia 11.1

CESIÓN MUNDIAL

CONSIDERANDO, que nosotros,

- (1) Craig A. Coburn, con domicilio en Royersford, Pennsylvania
(2) John A McCauley, con domicilio en Glen, Pennsylvania
(3) Steven W. Ludmerer, con domicilio en North Wales, Pennsylvania
(4) Kun Liu, con domicilio en Edison, New Jersey,
(5) Joseph P. Vacca, con domicilio en Telford, Pennsylvania

(de aquí en adelante los CEDENTES), junto con Hao Wu, con domicilio en Shanghai, China, Bin Hu, con domicilio en Shanghai, China, Richard Soll, con domicilio en San Diego, California, Fei Sun, con domicilio en Shanghai, China, Xinghai Wang, con domicilio en Shanghai, China, Man Yan, con domicilio en Shanghai, China, Chengren Zhang, con domicilio en Shanghai, China, Mingwei Zheng, con domicilio en Shanghai, China, Bin Zhong, con domicilio en Shanghai, China, y Jian Zhu, con domicilio en Shanghai, China, somos los inventores del invento descrito en una solicitud de patente según el número docket que aparece arriba y el siguiente título de la invención:

INHIBIDORES DE LA REPLICACIÓN DEL VIRUS DE LA HEPATITIS C

y/o en la(s) siguiente(s) solicitud(es):

Solicitudes estadounidenses provisionales Nos. 61/163,958 presentada el 27 de marzo de 2009; y 61/247,318 presentada el 30 de septiembre de 2009;

Solicitud estadounidense No. _____ con fecha de presentación de _____ : y

Solicitud Internacional PCT No. US2010/028653 con fecha de presentación 25
de marzo de 2010.

CONSIDERANDO QUE NOSOSTROS, acordamos que los derechos y la propiedad transferida por medio de la presente están libres de cualquier gravamen, y que nosotros gozamos de todo el derecho de transferir la misma tal cual se describe en la presente.

CONSIDERANDO, que Merck Sharp & Dohme Corp., una sociedad organizada bajo las leyes del estado de New Jersey, Estados Unidos de América, con domicilio principal en 126 East Lincoln Avenue, Rahway, New Jersey, 07065, y sus sucesores, cesionarios y representantes legales (de aquí en adelante el CESIONARIO), tiene el deseo de obtener todo el derecho, título e interés de y para el invento divulgado en dicha solicitud o solicitudes;

POR LO TANTO, a título oneroso, cuyo recibo se acusa por medio de la presente, nosotros, los CEDENTES, por medio de la presente cada uno vendemos, cedemos y transferimos a dicho CESIONARIO la totalidad de nuestro derecho, título e interés en todos los países del mundo sobre nuestro invento descrito en dicha solicitud o solicitudes, sobre el derecho de presentar solicitudes de patente en nombre de dicho

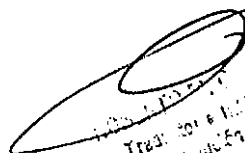
A

CESIONARIO, su representante, o en nuestro nombre, a su elección, para la anterior invención en todos los países del mundo, junto con los derechos de prioridad en dichos países derivados de la anterior solicitud de patente bajo la Convención Internacional para la Protección de la Propiedad Industrial, bajo la Convención Inter-Americana con relación a inventos, patentes, diseños y modelos industriales, y bajo cualquier otro acuerdo internacional en el cual los Estados Unidos es actualmente signatario o será en un futuro, sobre cualquier y toda patente concedida proveniente de cualquiera de las anteriores solicitudes de patente, sobre cualquier solicitud reivindicando beneficios de prioridad sobre una solicitud de patente provisional u otras solicitudes presentadas para tal invento, sobre cualquier continuación, división, re-expedición, renovación y extensión de las mismas sobre cualquier patente, los mismos a ser tenidos y gozados por dicho CESIONARIO, sus sucesores, cesionarios u otros representantes legales, incluyendo todo el alcance de los términos para la cual toda patente es otorgada, de la misma manera como si la misma hubiera sido tenida y gozada por nosotros si esta cesión y venta no se hubiese realizado.

Y POR MEDIO DE LA PRESENTE ACORDAMOS que en cualquier momento y a solicitud y expensas del CESIONARIO, sin compensación adicional para el CESIONARIO, firmaremos y entregaremos cualquier y todo documento que pueda ser necesario o deseable para perfeccionar el título de la anterior invención, solicitudes de patente, y patentes y continuaciones, divisiones, re-expediciones, renovaciones y extensiones de las mismas a nombre del CESIONARIO, incluyendo la firma y suministro de cualquier y todo documento adicional que evidencie esta cesión y venta según sea necesario o deseable para registrar el mismo en la Oficina de Patentes de cualquier país, y que nosotros, en cualquier momento, según solicitud y a expensas del CESIONARIO, y realizaremos todo juramento y declaración juramentada y llevaremos a cabo todo acto legal según fuese el requisito, para suministrar lo mismo y para la ayuda en lo mismo.

POR MEDIO DE LA PRESENTE NOSOSTROS autorizamos al Cesionario para que pueda insertar en este instrumento el(los) Número(s) de Solicitud y la(s) fecha(s) de presentación de dicha solicitud al ser oficialmente notificado de los mismos.

El presente documento puede ser suscrito en cualquier número de copias, cada una de las cuales será considerada como original, pero cada una de manera conjunta comprenderá un solo y el mismo documento.


Traducido e Inscrip.
Registro No. 66-1
Ministerio 1996

Suscrito el 7 de junio de 2011.

(firma ilegible)

JOHN A. MCCAULEY

RECONOCIMIENTO

Estado de Pennsylvania

Condado de Montgomery

El 7 de junio de 2011 compareció ante mí **JOHN A. MCCAULEY**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

Sello: ESTADO DE PENNSYLVANIA

Sello Notarial

Marjorie M. Bennett, Notario Público

Condado de Upper Gwynedd Twp., Montgomery

Mi comisión vence el 24 de enero de 2015

Miembro de la Asociación de Notarios de Pennsylvania

Suscrito el 7 de junio de 2011.

(firma ilegible)

JOHN A. MCCAULEY

RECONOCIMIENTO

Estado de Pennsylvania

Condado de Montgomery

El 7 de junio de 2011 compareció ante mí **JOHN A. MCCAULEY**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

Sello: ESTADO DE PENNSYLVANIA

Sello Notarial

Marjorie M. Bennett, Notario Público

Condado de Upper Gwynedd Twp., Montgomery

Mi comisión vence el 24 de enero de 2015

Miembro de la Asociación de Notarios de Pennsylvania


Título Notarial de Notario Público
Notación No. 0001
Montgomery 1996

10
Suscrito el 13 de junio de 2011.

(firma ilegible)

STEVEN W. LUDMERER

RECONOCIMIENTO

Estado de Pennsylvania

Condado de Montgomery

El 13 de junio de 2011 compareció ante mí **STEVEN W. LUDMERER**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

Sello: ESTADO DE PENNSYLVANIA

Sello Notarial

Marjorie M. Bennett, Notario Público

Condado de Upper Gwynedd Twp., Montgomery

Mi comisión vence el 24 de enero de 2015

Miembro de la Asociación de Notarios de Pennsylvania

Suscrito el 14 de julio de 2011.

(firma ilegible)

KUN LIU

RECONOCIMIENTO

Estado de New Jersey

Condado de Union

El 14 de julio de 2011 compareció ante mí **KUN LIU**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

Sello:

SHEILA G. BULLOCK

Notario Público para New Jersey

I.D. No. 2201013

Mi comisión vence el 13 de mayo de 2012



Notario Público
Sheila G. Bullock
I.D. No. 2201013
Mi comisión vence el 13 de mayo de 2012

4

Suscrito el 14 de julio de 2011.

(firma ilegible)

JOSEPH P. VACCA

RECONOCIMIENTO

Estado de Massachusetts

Condado de Suffolk

El 14 de julio de 2011 compareció ante mí **JOSEPH P. VACCA**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

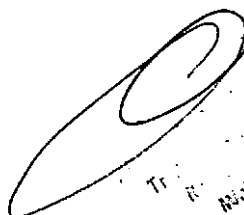
Sello:

DIANE SIMMONS

Notario Público

Estado de Massachusetts

Mi comisión vence el 27 de febrero de 2015


Diane Simmons
Notary Public
Massachusetts
My Commission Expires 2/27/15

CESIÓN MUNDIAL

CONSIDERANDO, que nosotros,

- | | | |
|------|-----------------|---|
| (1) | Hao Wu, | con domicilio en Shanghai, China, |
| (2) | Bin Hu, | con domicilio en Shanghai, China, |
| (3) | Richard Soll, | con domicilio en San Diego, California, |
| (4) | Fei Sun, | con domicilio en Shanghai, China, |
| (5) | Xinghai Wang, | con domicilio en Shanghai, China, |
| (6) | Man Yan, | con domicilio en Shanghai, China, |
| (7) | Chengren Zhang, | con domicilio en Shanghai, China, |
| (8) | Mingwei Zheng, | con domicilio en Shanghai, China, |
| (9) | Bin Zhong, | con domicilio en Shanghai, China, |
| (10) | Jian Zhu, | con domicilio en Shanghai, China, |

(de aquí en adelante los CEDENTES), junto con Craig A. Coburn, con domicilio en Royersford, Pennsylvania, John A. McCauley, con domicilio en Glen, Pennsylvania, Steven W. Ludmerer, con domicilio en North Wales, Pennsylvania, Kun Liu, con domicilio en Edison, New Jersey y Joseph P. Vacca, con domicilio en Telford, Pennsylvania, somos los inventores del invento descrito en una solicitud de patente según el número docket que aparece arriba y el siguiente título de la invención:

INHIBIDORES DE LA REPLICACIÓN DEL VIRUS DE LA HEPATITIS C

y/o en la(s) siguiente(s) solicitud(es):

Solicitudes estadounidenses provisionales Nos. **61/163,958** presentada el **27 de marzo de 2009**; y **61/247,318** presentada el **30 de septiembre de 2009**;

Solicitud estadounidense No. _____ con fecha de presentación de _____; y

Solicitud Internacional PCT No. **US2010/028653** con fecha de presentación **25 de marzo de 2010**.

CONSIDERANDO QUE NOSOSTROS, acordamos que los derechos y la propiedad transferida por medio de la presente están libres de cualquier gravamen, y que nosotros gozamos de todo el derecho de transferir la misma tal cual se describe en la presente.

CONSIDERANDO, que WuXi AppTec Co., Inc., una sociedad organizada bajo las leyes de la República Popular de China, con domicilio en No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, República Popular de China, y sus sucesores, cesionarios y representantes legales (de aquí en adelante el CESIONARIO), tiene el deseo de obtener todo el derecho, título e interés de y para el invento divulgado en dicha solicitud o solicitudes;

POR LO TANTO, a título oneroso, cuyo recibo se acusa por medio de la presente, nosotros, los CEDENTES, por medio de la presente cada uno vendemos, cedemos y transferimos a dicho CESIONARIO la totalidad de nuestro derecho, título e interés en todos los países del mundo sobre nuestro invento descrito en dicha solicitud o

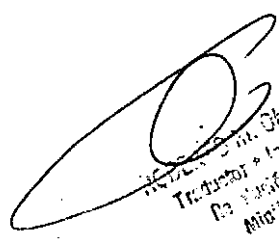
ROB. RTO M. OLARTE
Traductor e Intérprete Oficial
Resolución No. 0011
Ministerio 1993

solicitudes, sobre el derecho de presentar solicitudes de patente en nombre de dicho CESIONARIO, su representante, o en nuestro nombre, a su elección, para la anterior invención en todos los países del mundo, junto con los derechos de prioridad en dichos países derivados de la anterior solicitud de patente bajo la Convención Internacional para la Protección de la Propiedad Industrial, bajo la Convención Inter-Americana con relación a inventos, patentes, diseños y modelos industriales, y bajo cualquier otro acuerdo internacional en el cual los Estados Unidos es actualmente signatario o será en un futuro, sobre cualquier y toda patente concedida proveniente de cualquiera de las anteriores solicitudes de patente, sobre cualquier solicitud reivindicando beneficios de prioridad sobre una solicitud de patente provisional u otras solicitudes presentadas para tal invento, sobre cualquier continuación, división, re-expedición, renovación y extensión de las mismas sobre cualquier patente, los mismos a ser tenidos y gozados por dicho CESIONARIO, sus sucesores, cesionarios u otros representantes legales, incluyendo todo el alcance de los términos para la cual toda patente es otorgada, de la misma manera como si la misma hubiera sido tenida y gozada por nosotros si esta cesión y venta no se hubiese realizado.

Y POR MEDIO DE LA PRESENTE ACORDAMOS que en cualquier momento y a solicitud y expensas del CESIONARIO, sin compensación adicional para el CESIONARIO, firmaremos y entregaremos cualquier y todo documento que pueda ser necesario o deseable para perfeccionar el título de la anterior invención, solicitudes de patente, y patentes y continuaciones, divisiones, re-expediciones, renovaciones y extensiones de las mismas a nombre del CESIONARIO, incluyendo la firma y suministro de cualquier y todo documento adicional que evidencie esta cesión y venta según sea necesario o deseable para registrar el mismo en la Oficina de Patentes de cualquier país, y que nosotros, en cualquier momento, según solicitud y a expensas del CESIONARIO, y realizaremos todo juramento y declaración juramentada y llevaremos a cabo todo acto legal según fuese el requisito, para suministrar lo mismo y para la ayuda en lo mismo.

POR MEDIO DE LA PRESENTE NOSOSTROS autorizamos al Cesionario para que pueda insertar en este instrumento el(los) Número(s) de Solicitud y la(s) fecha(s) de presentación de dicha solicitud al ser oficialmente notificado de los mismos.

El presente documento puede ser suscrito en cualquier número de copias, cada una de las cuales será considerada como original, pero cada una de manera conjunta comprenderá un solo y el mismo documento.


Inventor: [illegible]
Pat. No. 0.711
Michoacán 1900

10
Suscrito el 4 de junio de 2011.

(firma ilegible)

RICHARD SOLL

RECONOCIMIENTO

Estado de California

Condado de San Diego

El 4 de junio de 2011 compareció ante mí **RICHARD SOLL**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

(firma ilegible)

Notario Público

Sello: SELLO OFICIAL

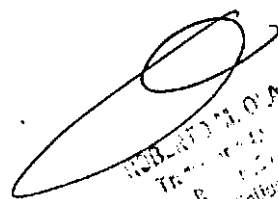
TRUNG M. TRAN

NOTARIO PÚBLICO – CALIFORNIA

COMISIÓN NO. 1936470

CONDADO DE SAN DIEGO

Mi comisión vence el 15 de mayo de 2015


TRUNG M. TRAN
Notario Público - California
Comisión No. 1936470
Vencimiento 15/05/2015

- (1) Hao Wu, con domicilio en Shanghai, China,
- (2) Bin Hu, con domicilio en Shanghai, China,
- (3) Richard Soll, con domicilio en San Diego, California,
- (4) Fei Sun, con domicilio en Shanghai, China,
- (5) Xinghai Wang, con domicilio en Shanghai, China,
- (6) Man Yan, con domicilio en Shanghai, China,
- (7) Chengren Zhang, con domicilio en Shanghai, China,
- (8) Mingwei Zheng, con domicilio en Shanghai, China,
- (9) Bin Zhong, con domicilio en Shanghai, China,
- (10) Jian Zhu, con domicilio en Shanghai, China,

INHIBIDORES DE LA REPLICACIÓN DEL VIRUS DE LA HEPATITIS C

Solicitud Internacional PCT No. US2010/028653 con fecha de presentación 25
de marzo de 2010.

100-100000-1
100-100000-1
100-100000-1

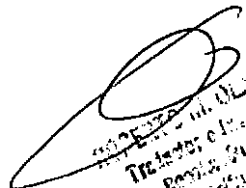
POR LO TANTO, a título oneroso, cuyo recibo se acusa por medio de la presente, nosotros, los CEDENTES, por medio de la presente cada uno vendemos, cedemos y transferimos a dicho CESIONARIO la totalidad de nuestro derecho, título e interés en todos los países del mundo sobre nuestro invento descrito en dicha solicitud o

solicitudes, sobre el derecho de presentar solicitudes de patente en nombre de dicho CESIONARIO, su representante, o en nuestro nombre, a su elección, para la anterior invención en todos los países del mundo, junto con los derechos de prioridad en dichos países derivados de la anterior solicitud de patente bajo la Convención Internacional para la Protección de la Propiedad Industrial, bajo la Convención Inter-Americana con relación a inventos, patentes, diseños y modelos industriales, y bajo cualquier otro acuerdo internacional en el cual los Estados Unidos es actualmente signatario o será en un futuro, sobre cualquier y toda patente concedida proveniente de cualquiera de las anteriores solicitudes de patente, sobre cualquier solicitud reivindicando beneficios de prioridad sobre una solicitud de patente provisional u otras solicitudes presentadas para tal invento, sobre cualquier continuación, división, re-expedición, renovación y extensión de las mismas sobre cualquier patente, los mismos a ser tenidos y gozados por dicho CESIONARIO, sus sucesores, cesionarios u otros representantes legales, incluyendo todo el alcance de los términos para la cual toda patente es otorgada, de la misma manera como si la misma hubiera sido tenida y gozada por nosotros si esta cesión y venta no se hubiese realizado.

Y POR MEDIO DE LA PRESENTE ACORDAMOS que en cualquier momento y a solicitud y expensas del CESIONARIO, sin compensación adicional para el CESIONARIO, firmaremos y entregaremos cualquier y todo documento que pueda ser necesario o deseable para perfeccionar el título de la anterior invención, solicitudes de patente, y patentes y continuaciones, divisiones, re-expediciones, renovaciones y extensiones de las mismas a nombre del CESIONARIO, incluyendo la firma y suministro de cualquier y todo documento adicional que evidencie esta cesión y venta según sea necesario o deseable para registrar el mismo en la Oficina de Patentes de cualquier país, y que nosotros, en cualquier momento, según solicitud y a expensas del CESIONARIO, y realizaremos todo juramento y declaración juramentada y llevaremos a cabo todo acto legal según fuese el requisito, para suministrar lo mismo y para la ayuda en lo mismo.

POR MEDIO DE LA PRESENTE NOSOSTROS autorizamos al Cesionario para que pueda insertar en este instrumento el(los) Número(s) de Solicitud y la(s) fecha(s) de presentación de dicha solicitud al ser oficialmente notificado de los mismos.

El presente documento puede ser suscrito en cualquier número de copias, cada una de las cuales será considerada como original, pero cada una de manera conjunta comprenderá un solo y el mismo documento.


Firmado por el C. [Nombre] [Apellido]
Tribunal de Comercio de [Ciudad]
Paseo de la [Calle] 00 00 00
[Fecha] de [Mes] de [Año]

Suscrito el 9 de junio de 2011.

(firma ilegible)
HAO WU

RECONOCIMIENTO
Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **HAO WU**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)
Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)
Nombre segundo testigo: Mao Kai

Suscrito el 9 de junio de 2011.

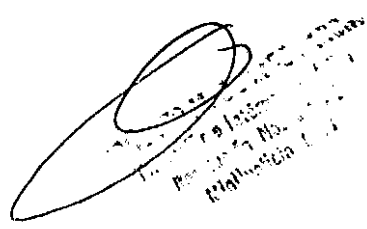
(firma ilegible)
BIN HU

RECONOCIMIENTO
Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **BIN HU**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)
Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)
Nombre segundo testigo: Mao Kai



Handwritten signature and official stamp of the Shanghai Notary Public Office. The stamp includes the text "Notario Público de Shanghai" and "Shanghai Notary Public Office".

Suscrito el 9 de junio de 2011.

(firma ilegible)
FEI SUN

RECONOCIMIENTO
Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **FEI SUN**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)
Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)
Nombre segundo testigo: Mao Kai

Suscrito el 9 de junio de 2011.

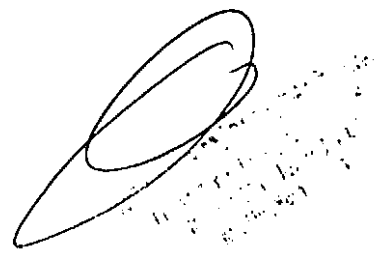
(firma ilegible)
XINGHAI WAN

RECONOCIMIENTO
Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **XINGHAI WAN**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)
Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)
Nombre segundo testigo: Mao Kai

A handwritten signature in black ink, consisting of a large, stylized loop, is positioned above a faint, circular official stamp. The stamp contains some illegible text and a central emblem.

Suscrito el 9 de junio de 2011.

(firma ilegible)

MAN YAN

RECONOCIMIENTO

Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **MAN YAN**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)

Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)

Nombre segundo testigo: Mao Kai

Suscrito el 9 de junio de 2011.

(firma ilegible)

CHENGREN ZHANG

RECONOCIMIENTO

Provincia de Shanghai

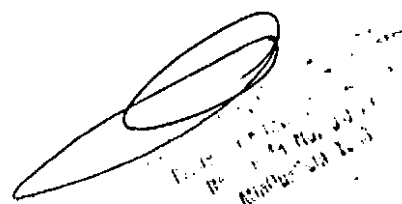
El 9 de junio de 2011 compareció ante mí **CHENGREN ZHANG**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)

Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)

Nombre segundo testigo: Mao Kai

A handwritten signature in black ink, consisting of a large loop followed by a smaller loop and a trailing line. Below the signature is a faint, circular stamp with some illegible text inside.

Suscrito el 9 de junio de 2011.

(firma ilegible)

MINGWEI ZHENG

RECONOCIMIENTO

Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **MINGWEI ZHENG**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)

Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)

Nombre segundo testigo: Mao Kai

Suscrito el 9 de junio de 2011.

(firma ilegible)

BIN ZHONG

RECONOCIMIENTO

Provincia de Shanghai

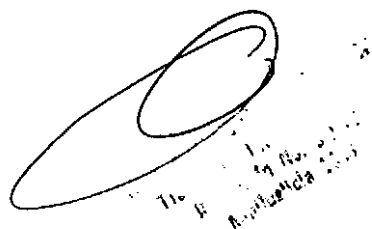
El 9 de junio de 2011 compareció ante mí **BIN ZHONG**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)

Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)

Nombre segundo testigo: Mao Kai

A handwritten signature in black ink, consisting of a large loop and a smaller circle, is positioned above a circular official stamp. The stamp contains text in Chinese characters, which is partially obscured by the signature.

Suscrito el 9 de junio de 2011.

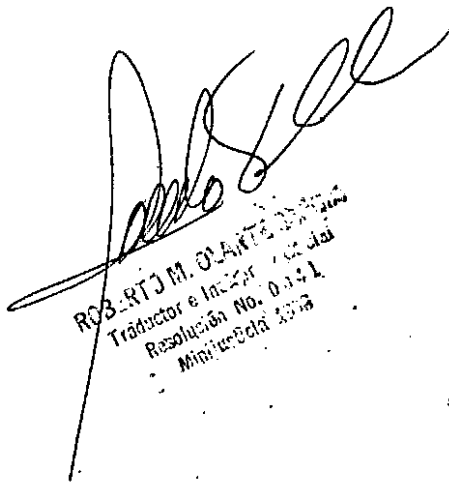
(firma ilegible)
JIAN ZHU

RECONOCIMIENTO
Provincia de Shanghai

El 9 de junio de 2011 compareció ante mí **JIAN ZHU**, quien reconoció ser la persona descrita en la presente y quien suscribió el presente instrumento, y reconoció que él(ella) suscribió el mismo bajo su propia voluntad para los fines expuestos en él.

Firma primer testigo (ilegible)
Nombre primer testigo: Yu Yating

Firma segundo testigo (ilegible)
Nombre segundo testigo: Mao Kai



ROBERT M. OLARTE
Traductor e Interpretador
Resolución No. 0341
Ministerio de Justicia

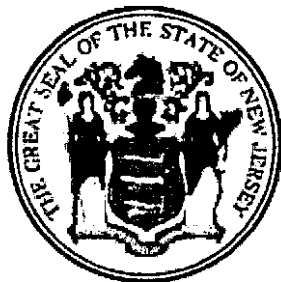
APOSTILLE

(CONVENTION DE LA HAYE DU 5 OCTOBRE 1961)

1. COUNTRY: UNITED STATES OF AMERICA
2. THIS PUBLIC DOCUMENT HAS BEEN SIGNED BY:
BARBARA ANN COZZI
3. ACTING IN THE CAPACITY OF:
NOTARY PUBLIC OF NEW JERSEY
4. BEARS THE SEAL/STAMP OF:
BARBARA ANN COZZI, NOTARY

CERTIFIED

5. AT TRENTON, NEW JERSEY
6. THE 14TH DAY OF SEPTEMBER 2011
7. BY: Andrew P Sidamon-Eristoff
State Treasurer
8. NO: A436770
9. SEAL/STAMP:
10. SIGNATURE



Certificate Number: 121555854

Verify this certificate at
https://www1.state.nj.us/TYTR_StandingCert/JSP/Verify_Cert.jsp

23

STATE OF NEW JERSEY)

SS:

COUNTY OF UNION)

I, **CYNTHIA A. FRANCISCO**, hereby swear that the attached photocopies of:

Worldwide Assignments and Agreements, Case No. MRL-IFD-00018, entitled

"INHIBITORS OF HEPATITIS C VIRUS REPLICATION", are true, correct, and

complete copies of the original documents for which I have custodial responsibility.

CYNTHIA A. FRANCISCO

CYNTHIA A. FRANCISCO
DIRECTOR, ASSET MANAGEMENT

Subscribed and sworn to before me this 15 day of September, 2011.

Barbara Ann Cozz
NOTARY PUBLIC

NOTARY PUBLIC

Foreign Case No.: MRL-IFD-00018

BARBARA ANN COZZI
Notary Public of New Jersey
My Commission Expires November 30, 2013

CONFIRMATORY ASSIGNMENT

WHEREAS,

WuXi AppTec Co., Ltd., ("Assignor"), a corporation with an office at No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, People's Republic of China, under the terms of the Amendment 3 of Restated Full Time Equivalents Agreement For Services agreement between Assignor and Merck & Co., Inc., now Merck Sharp & Dohme Corp. ("Assignee") dated July 16, 2010 ("Agreement") did assign to Assignee all of its rights in any and all inventions set forth and described in PCT International Patent Application No. PCT/US2010/028653, filed on March 25, 2010; U.S. Application Serial No.: 61/163,958, filed March 27, 2009; and U.S. Application Serial No.: 61/247,318, filed September 30, 2009 ("Inventions").

AND WHEREAS, to confirm the assignment, Assignor has agreed to execute and deliver this assignment;

NOW THEREFORE, in consideration of the good and valuable consideration provided under the Agreement, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby confirms that it has assigned to Assignee its entire right, title, interest, property and benefit in and to the Inventions and the associated patent application(s), including any and all rights relating thereto that may arise at law, all rights of action resulting from prior infringement or other unauthorized use thereof, any and all applications corresponding the Inventions worldwide, whether in the form of divisions, continuations, re-examinations, re-issues and extensions thereof, any and all letters patent and like industrial property registrations that may issue, be granted or result from said corresponding applications for the Inventions worldwide (hereinafter referred to as the Patents), and any and all rights of priority exercisable in any jurisdiction resulting from the filing of the patent application(s) associated with Inventions, the said corresponding applications and any previously filed applications in respect of the Inventions under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as the same would have been held and enjoyed by Assignor had this assignment not been made;

AND ASSIGNOR, on behalf of itself and its successors, assigns, nominees, or other legal representatives, does hereby covenant and agree to perform all lawful acts and duties and to execute and deliver without further consideration such further lawful assignments, instruments, assurances, applications and other documents as may reasonably be required by said Assignee, or by its successors, assigns, nominees, or other legal representatives, to file patent application(s) associated with Inventions, obtain said Patents and vest or secure the same in Assignee, and in Assignee's successors, assigns, nominees or other legal representatives.

25

Attorney Docket No.: MRL-IFD-00018

AND ASSIGNOR does hereby authorize any official whose duty it is to grant patents or industrial property registrations, to grant said Patents to the Assignee, and to Assignee's successors, assigns, nominees or other legal representatives.

AND ASSIGNOR, on behalf of itself and its successors, assigns, nominees, or other legal representatives, does hereby authorize said Assignee, its successors, assigns, nominees or other legal representatives, including its patent agents, to amend the present assignment document to insert or correct the filing date, serial number or other identifying information of the associated patent application(s) and/or Patents as may be needed to record same.

IN WITNESS WHEREOF, Assignor and Assignee have by their respective authorized signing officers executed this confirmatory assignment on the day and year set forth below.

WuXi AppTec Co., Ltd. (Assignor)

Per: _____
Name: _____
Title: _____

Shu-Hui Chen
Shu-Hui Chen (CSO)

DATED at June this 9 day of 2011.

Merck Sharp & Dohme Corp. (Assignee)

Per: _____

Name: Sheldon O. Heber

Title: Managing Counsel, Patents

DATED at July, this 14 day of 2011.

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Craig A. Coburn, located at Royersford, Pennsylvania,
- (2) John A. McCauley, located at Maple Glen, Pennsylvania,
- (3) Steven W. Ludmerer, located at North Wales, Pennsylvania,
- (4) Kun Liu, located at Edison, New Jersey,
- (5) Joseph P. Vacca, located at Telford, Pennsylvania

(hereinafter ASSIGNOR(S)), together with Hao Wu, located at Shanghai, China, Bin Hu, located at Shanghai, China, Richard Soll, located at San Diego, California, Fei Sun, located Shanghai, China, Xinghai Wang, located at Shanghai, China, Man Yan, located at Shanghai, China, Chengren Zhang, located at Shanghai, China, Mingwei Zheng, located at Shanghai, China, Bin Zhong, located at Shanghai, China, and Jian Zhu, located at Shanghai, China, 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 HEPATITIS C VIRUS REPLICATION

and/or in the following application(s):

U.S. Provisional Application Nos. 61/163,958 filed on March 27, 2009; and 61/247,318 filed on September 30, 2009;

U.S. Application No. _____ having a filing date of _____; and
PCT International Application No. US2010/028653 having a filing date of March 25, 2010.

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.

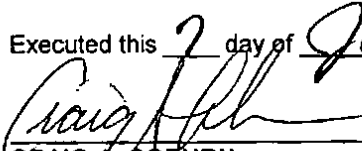
WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter ASSIGNEE), is desirous of obtaining the entire right, title 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.

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 7 day of June, 2011

 CRAIG A. COBURN

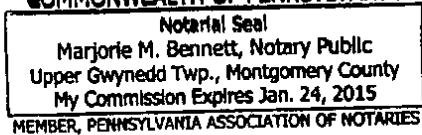
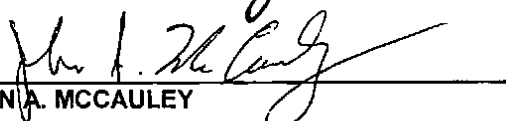
ACKNOWLEDGEMENT

Commonwealth of Pennsylvania
 State of Pennsylvania) s.s.:
 County of Montgomery

On this 7 day of June, 2011, personally appeared before me Craig A. Coburn to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)


 Notary Public
 COMMONWEALTH OF PENNSYLVANIA

Executed this 7 day of June, 2011.

 JOHN A. MCCAULEY

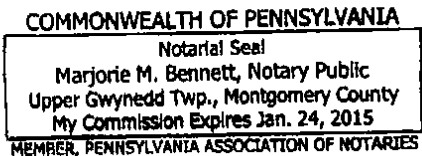
ACKNOWLEDGEMENT

Commonwealth of Pennsylvania
 State of Pennsylvania) s.s.:
 County of Montgomery

On this 7 day of June, 2011, personally appeared before me John A. McCauley to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)


 Notary Public



Executed this 13 day of June, 2011.

Steven W. Ludmerer
STEVEN W. LUDMERER

ACKNOWLEDGEMENT

Commonwealth of Pennsylvania
State of Pennsylvania
County of Montgomery s.s.:

On this 13 day of June, 2011, personally appeared before me Steven W. Ludmerer to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Marjorie M. Bennett
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Marjorie M. Bennett, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Jan. 24, 2015

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Executed this 14 day of July, 2011.

Kun Liu
KUN LIU

ACKNOWLEDGEMENT

State of New Jersey
County of Union s.s.:

On this 14th day of July, 2011, personally appeared before me Kun Liu to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Sheila G. Bullock
Notary Public

SHEILA G. BULLOCK

Notary Public of New Jersey

I.D. No. 2201013

Commission Expires May 13, 2012

29

Executed this 14 day of July, 2011.

Joseph P. Vacca
JOSEPH P. VACCA

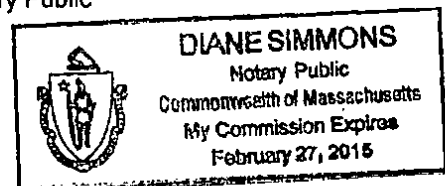
ACKNOWLEDGEMENT

State of Massachusetts
County of Suffolk) s.s.:

On this 14 day of July, 2011, personally appeared before me **Joseph P. Vacca** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public



Executed this ____ day of _____, 20__.

HAO WU

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Hao Wu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/
[Print Witness 1's name]

Witness 2's signature/
[Print Witness 2's name]

70

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20____.

BIN HU

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Bin Hu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20____.

RICHARD SOLL

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Richard Soll** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

31

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20__.

FEI SUN

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Fei Sun** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20__.

XINGHAI WANG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Xinghai Wang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

32

Executed this ____ day of _____, 20____.

MAN YAN

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Man Yan** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20____.

CHENGREN ZHANG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Chengren Zhang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

33

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20__.

MINGWEI ZHENG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Mingwei Zheng** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20__.

BIN ZHONG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Bin Zhong** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20____.

JIAN ZHU

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me Jian Zhu to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Hao Wu, located at Shanghai, China,
- (2) Bin Hu, located at Shanghai, China,
- (3) Richard Soll, located at San Diego, California,
- (4) Fei Sun, located at Shanghai, China,
- (5) Xinghai Wang, located at Shanghai, China,
- (6) Man Yan, located at Shanghai, China,
- (7) Chengren Zhang, located at Shanghai, China,
- (8) Mingwei Zheng, located at Shanghai, China,
- (9) Bin Zhong, located at Shanghai, China,
- (10) Jian Zhu, located at Shanghai, China

(hereinafter ASSIGNOR(S)), together with Craig A. Coburn, located at Royersford, Pennsylvania, John A. McCauley, located at Maple Glen, Pennsylvania, Steven W. Ludmerer, located at North Wales, Pennsylvania, Kun Liu, located at Edison, New Jersey and Joseph A. Vacca, located at Telford, Pennsylvania, 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 HEPATITIS C VIRUS REPLICATION

and/or in the following application(s):

U.S. Provisional Application Nos. **61/163,958** filed on **March 27, 2009**; and **61/247,318** filed on **September 30, 2009**;

U.S. Application No. _____ having a filing date of _____; and
PCT International Application No. **US2010/028653** having a filing date of **March 25, 2010**.

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.

WHEREAS, WuXi AppTec Co., Inc., a corporation organized under the laws of People's Republic of China, having an office at No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, People's Republic of 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.

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.

JP

Executed this ____ day of _____, 20____.

CRAIG A. COBURN

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Craig A. Coburn** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20____.

JOHN A. MCCAULEY

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **John A. McCauley** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20__.

STEVEN W. LUDMERER

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Steven W. Ludmerer** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20__.

KUN LIU

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Kun Liu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

158

Executed this ____ day of _____, 20____.

JOSEPH P. VACCA

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Joseph P. Vacca** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20____.

HAO WU

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Hao Wu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20__.

BIN HU

ACKNOWLEDGEMENT

State/Province of _____)
 County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Bin Hu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

 [Print Witness 1's name]

 [Print Witness 2's name]

Executed this 4th day of June, 2011.

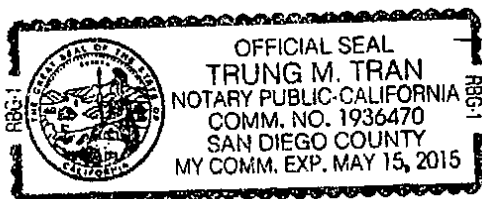
Richard Soll
 RICHARD SOLL

ACKNOWLEDGEMENT

State/Province of California)
 County of San Diego) s.s.:

On this 4th day of June, 2011, personally appeared before me **Richard Soll** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (~~she~~) executed the same, of his (~~her~~) own free will for the purpose set forth.

(Seal)



 Notary Public

10

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20____.

FEI SUN

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Fei Sun** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20____.

XINGHAI WANG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Xinghai Wang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

21

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20__.

MAN YAN

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Man Yan** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20__.

CHENGREN ZHANG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Chengren Zhang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

19

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20____.

MINGWEI ZHENG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Mingwei Zheng** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20____.

BIN ZHONG

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Bin Zhong** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

Executed this ____ day of _____, 20____.

JIAN ZHU

ACKNOWLEDGEMENT

State/Province of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me Jian Zhu to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

[Witness 1's signature/
[Print Witness 1's name]

[Witness 2's signature/
[Print Witness 2's name]

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Hao Wu, located at Shanghai, China,
- (2) Bin Hu, located at Shanghai, China,
- (3) Richard Soil, located at San Diego, California,
- (4) Fei Sun, located at Shanghai, China,
- (5) Xinghai Wang, located at Shanghai, China,
- (6) Man Yan, located at Shanghai, China,
- (7) Chengren Zhang, located at Shanghai, China,
- (8) Mingwei Zheng, located at Shanghai, China,
- (9) Bin Zhong, located at Shanghai, China,
- (10) Jian Zhu, located at Shanghai, China

(hereinafter ASSIGNOR(S)), together with Craig A. Coburn, located at Royersford, Pennsylvania, John A. McCauley, located at Maple Glen, Pennsylvania, Steven W. Ludmerer, located at North Wales, Pennsylvania, Kun Liu, located at Edison, New Jersey and Joseph A. Vacca, located at Telford, Pennsylvania, 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 HEPATITIS C VIRUS REPLICATION

and/or in the following application(s):

U.S. Provisional Application Nos. **61/163,958** filed on **March 27, 2009**; and **61/247,318** filed on **September 30, 2009**;

U.S. Application No. _____ having a filing date of _____; and
PCT International Application No. **US2010/028653** having a filing date of **March 25, 2010**.

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.

WHEREAS, WuXi AppTec Co., Inc., a corporation organized under the laws of People's Republic of China, having an office at No. 1 Building, 288 Fute Zhong Road, Waigaoqiao Free Trade Zone, Shanghai 200131, People's Republic of 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.

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.

AS

Worldwide Assignment

Attorney Docket No.: MRL-IFD-00018

Executed this ____ day of _____, 20____.

CRAIG A. COBURN

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Craig A. Coburn** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20____.

JOHN A. MCCAULEY

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **John A. McCauley** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20__.

STEVEN W. LUDMERER

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Steven W. Ludmerer** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20__.

KUN LIU

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me **Kun Liu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this ____ day of _____, 20__.

JOSEPH P. VACCA

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this ____ day of _____, 2011, personally appeared before me Joseph P. Vacca to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Executed this 9 day of June, 2011.

Hao Wu
HAO WU

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Hao Wu to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Tatig
[Print Witness 1's name] Yu Tatig

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 9 day of June, 2011.

Bin Hu
BIN HU

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Bin Hu to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Ya Ling
[Print Witness 1's name] Yu Ya Ling

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 14 day of June, 2011.

Richard Soll
RICHARD SOLE

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 14 day of June, 2011, personally appeared before me Richard Soll to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

Worldwide Assignment

Attorney Docket No.: MRL-IFD-00018

Executed this 9 day of June, 2011

Fei Sun
FEI SUN

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Fei Sun to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 9 day of June, 2011

Xinghai Wang
XINGHAI WANG

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Xinghai Wang to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 9 day of June, 2011.

Man Yan
MAN YAN

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Man Yan to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 9 day of June, 2011.

Chengren Zhang
CHENGREN ZHANG

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me Chengren Zhang to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai

Executed this 9 day of June, 2011.

Mingwei Zheng
MINGWEI ZHENG

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me **Mingwei Zheng** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao kai
[Print Witness 2's name] Mao kai

Executed this 9 day of June, 2011.

Bin Zhong
BIN ZHONG

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me **Bin Zhong** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

Witness 2's signature/ Mao kai
[Print Witness 2's name] Mao kai

52

Worldwide Assignment

Attorney Docket No.: MRL-IFD-00018

Executed this 9 day of June, 2011.

Jian Zhu.
JIAN ZHU

ACKNOWLEDGEMENT

State/Province of Shanghai)
County of _____) s.s.:

On this 9 day of June, 2011, personally appeared before me **Jian Zhu** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

Witness 1's signature/ Yu Yating
[Print Witness 1's name] Yu Yating

[Witness 2's signature/ Mao Kai
[Print Witness 2's name] Mao Kai