

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2975641

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROGER A. SMITH	01/15/2013
NICHOLAS JAMES LAPING	01/15/2013
ARANAPAKAM M. VENKATESAN	05/15/2013
RAGHAVA REDDY KETHIRI	01/16/2013
CHANDREGOWDA VENKATESHAPPA	01/16/2013
BHEEMASHANKAR KULKARNI	01/16/2013
PURUSHOTTAM DEWANG	01/16/2013
RAJENDRA KRISTAM	01/16/2013
RAJESH DEVRAJ	02/21/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ENDO PHARMACEUTICALS INC.
<b>Street Address:</b>	100 ENDO BOULEVARD
<b>City:</b>	CHADDS FORD
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19317
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14078612
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-7866
<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>	(908) 518-6346
<b>Email:</b>	Assignment@ldlkm.com
<b>Correspondent Name:</b>	LDLK&M
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	ASANA 3.9-007 CON CON CON
<b>NAME OF SUBMITTER:</b>	SHAWN P. FOLEY
<b>SIGNATURE:</b>	/Shawn P. Foley/

PATENT

<b>DATE SIGNED:</b>	08/11/2014
<b>Total Attachments: 6</b> source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page1.tif source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page2.tif source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page3.tif source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page4.tif source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page5.tif source=ASANA 3.9-007 CON CON CON () ASSIGNMENT#page6.tif	

## ASSIGNMENT

WHEREAS, Roger Astbury SMITH, Nicholas James LAPING, Raghava Reddy KETHIRI, Chandregowda VENKATESHAPPA, Bheemashankar KULKARNI, Purushottam DEWANG, Rajendra KRISTAM, and Rajesh DEVRAJ, hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention in the application entitled **Pyridine Derivatives**, which application was made or authorized to be made by us, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been assigned US Patent Application No. 13/632,006, filed September 30, 2012;

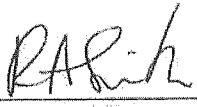
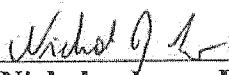
WHEREAS, ENDO PHARMACEUTICALS, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware and engaged in business at 100 Endo Boulevard, Chadds Ford, PA 19317 hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefore;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any application for Letters Patent which ASSIGNEE at its expense may cause to be filed in the United States, under an international treaty, or in any foreign country, and by any and all subsequently filed provisional, nonprovisional, continuation, continuation-in-part, divisional applications, and all substitutes thereof, and in and to any and all Letters Patent and legal equivalents thereof resulting therefrom, including any and all reissues, re-examinations and extensions;

And ASSIGNORS hereby authorize and request the Director of the USPTO to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as owner of all right, title and interest therein;

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent of said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns;

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date <u>Jan. 15, 2013</u>	<u></u> <b>Roger Astbury Smith</b>
Date <u>Jan 15, 2013</u>	<u></u> <b>Nicholas James Laping</b>
Date _____	_____ <b>Raghava Reddy Kethiri</b>
Date _____	_____ <b>Chandregowda Venkateshappa</b>
Date _____	_____ <b>Bheemashankar Kulkarni</b>
Date _____	_____ <b>Purushottam Dewang</b>
Date _____	_____ <b>Rajendra Kristam</b>
Date _____	_____ <b>Rajesh Devraj</b>

## ASSIGNMENT

WHEREAS, Roger Astbury SMITH, Nicholas James LAPING, Raghava Reddy KETHIRI, Chandregowda VENKATESHAPPA, Bheemashankar KULKARNI, Purushottam DEWANG, Rajendra KRISTAM, and Rajesh DEVRAJ, hereinafter referred to as ASSIGNORS, have invented and are the owners of an invention in the application entitled **Pyridine Derivatives**, which application was made or authorized to be made by us, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been assigned US Patent Application No. 13/632,006, filed September 30, 2012;

WHEREAS, ENDO PHARMACEUTICALS, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware and engaged in business at 100 Endo Boulevard, Chadds Ford, PA 19317 hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefore;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS have sold, assigned and set over, and hereby do sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any application for Letters Patent which ASSIGNEE at its expense may cause to be filed in the United States, under an international treaty, or in any foreign country, and by any and all subsequently filed provisional, nonprovisional, continuation, continuation-in-part, divisional applications, and all substitutes thereof, and in and to any and all Letters Patent and legal equivalents thereof resulting therefrom, including any and all reissues, re-examinations and extensions;

And ASSIGNORS hereby authorize and request the Director of the USPTO to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as owner of all right, title and interest therein;

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNORS will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent of said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns;

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date \_\_\_\_\_

\_\_\_\_\_  
**Roger Astbury Smith**

Date \_\_\_\_\_

\_\_\_\_\_  
**Nicholas James Laping**

Date 16 Jan. 2013

\_\_\_\_\_  
**Raghava Reddy Kethiri**

Date 16-Jan-2013

\_\_\_\_\_  
**Chandregowda Venkateshappa**

Date 16-Jan-2013

\_\_\_\_\_  
**Bheemashankar Kulkarni**

Date 16-Jan-2013

\_\_\_\_\_  
**Purushottam Dewang**

Date 16-Jan-2013

\_\_\_\_\_  
**Rajendra Kristam**

Date 21-Feb-2013

\_\_\_\_\_  
**Rajesh Devraj**

## ASSIGNMENT

WHEREAS, Aranapakam M. VENKATESAN, hereinafter referred to as ASSIGNOR, has co-invented and is the co-owner of an invention in the application entitled **Pyridine Derivatives**, which application was made or authorized to be made by us, said invention being fully set forth and described in the application for Letters Patent of the United States which has been prepared in connection with said invention, and which has been assigned US Patent Application No. 13/632,006, filed September 30, 2012;

WHEREAS, ENDO PHARMACEUTICALS, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware and engaged in business at 1400 Atwater Drive, Malvern, PA 19355 hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries which may be issued therefore;

NOW, THEREFORE, THIS IS TO WITNESS that in consideration of the sum of One Dollar (\$1.00) paid to ASSIGNORS by ASSIGNEE, the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR has sold, assigned and set over, and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, the entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and in and to any application for Letters Patent which ASSIGNEE at its expense may cause to be filed in the United States, under an international treaty, or in any foreign country, and by any and all subsequently filed provisional, nonprovisional, continuation, continuation-in-part, divisional applications, and all substitutes thereof, and in and to any and all Letters Patent and legal equivalents thereof resulting therefrom, including any and all reissues, re-examinations and extensions;

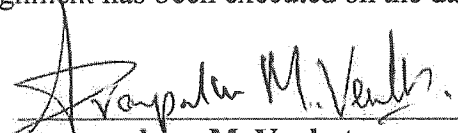
And ASSIGNOR hereby authorizes and request the Director of the USPTO to issue any and all Letters Patent of the United States to ASSIGNEE, its successors and assigns, as owner of all right, title and interest therein;

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to procure Letters Patent of said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns;

US Patent Application No. 13/632,006  
Our Ref: RAS-111-US / END5AUSA  
Assignment  
Page 2

IN WITNESS WHEREOF, this assignment has been executed on the dates indicated below.

Date May 15<sup>th</sup> 2013

  
Arahapakam M. Venkatesan