

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3544721

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE ADDRESS previously recorded on Reel 020106 Frame 0572. Assignor(s) hereby confirms the CONVEYING PARTY: ANDREAS MADERNA ET AL., RECEIVING PARTY: ARDEA BIOSCIENCES, INC..

**CONVEYING PARTY DATA**

Name	Execution Date
ANDREAS MADERNA	11/09/2007
JEAN MICHEL VERNIER	11/06/2007
DINESH BARAWKAR	08/24/2007
VARAPRASAD CHAMAKURA	09/01/2007
HASSAN EL ABEELLAOUI	08/23/2007
ZHI HONG	08/30/2007

**RECEIVING PARTY DATA**

<b>Name:</b>	ARDEA BIOSCIENCES, INC.
<b>Street Address:</b>	9390 TOWNE CENTRE DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11830733

**CORRESPONDENCE DATA**

**Fax Number:** (703)243-6333

*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.*

**Phone:** 703-243-6333

**Email:** mail@mwzb.com

**Correspondent Name:** MILLEN, WHITE, ZELANO & BRANIGAN, P.C.

**Address Line 1:** 2200 CLARENDON BLVD., SUITE 1400

**Address Line 2:** PAM RICHARDSON

**Address Line 4:** ARLINGTON, VIRGINIA 22201

<b>ATTORNEY DOCKET NUMBER:</b>	BAYARDEA-0001
<b>NAME OF SUBMITTER:</b>	PAMELA D. RICHARDSON
<b>SIGNATURE:</b>	/Pamela D. Richardson/

PATENT

<b>DATE SIGNED:</b>	09/28/2015
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**Total Attachments: 11**

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**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

**11/13/2007  
 500397713**

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andreas Madema</td> <td>11/09/2007</td> </tr> <tr> <td>Jean-Michel Vernier</td> <td>11/08/2007</td> </tr> <tr> <td>Dinesh Barawkar</td> <td>08/24/2007</td> </tr> <tr> <td>Varaprasad Chamakura</td> <td>09/01/2007</td> </tr> <tr> <td>Hassan El Abdellaoui</td> <td>08/23/2007</td> </tr> <tr> <td>Zhi Hong</td> <td>08/30/2007</td> </tr> </tbody> </table>		Name	Execution Date	Andreas Madema	11/09/2007	Jean-Michel Vernier	11/08/2007	Dinesh Barawkar	08/24/2007	Varaprasad Chamakura	09/01/2007	Hassan El Abdellaoui	08/23/2007	Zhi Hong	08/30/2007
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Hassan El Abdellaoui	08/23/2007														
Zhi Hong	08/30/2007														
<b>RECEIVING PARTY DATA</b>															
Name:	Ardea Biosciences														
Street Address:	3300 Hyland Avenue														
City:	Costa Mesa														
State/Country:	CALIFORNIA														
Postal Code:	92626														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11830733</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11830733										
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Application Number:	11830733														
<b>CORRESPONDENCE DATA</b>															
Fax Number:	(650)493-6811														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	650-493-9300														
Email:	kwatson@wsgr.com														
Correspondent Name:	Karen Watson-Straughan														
Address Line 1:	650 Page Mill Road														
Address Line 4:	Palo Alto, CALIFORNIA 94304-1050														
<b>ATTORNEY DOCKET NUMBER:</b>	18545-718.501														
<b>NAME OF SUBMITTER:</b>	Linda Anders														

CI 5000 11/30/07

Total Attachments: 6

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ASSIGNMENT OF APPLICATION

Docket Number 18545-718.501

Whereas, the undersigned:

- |  |   |   |   |
|--|---|---|---|
| 1. <b>MADERNA, Andreas</b><br>3 Concor Ct<br>Tappan, NY 10983                          | 2. <b>VERNIER, Jean-Michel</b><br>24831 Cutter<br>Laguna Niguel, CA 92677 | 3. <b>BARAWKAR, Dinesh</b><br>17 Balustrade Place<br>Foothill Ranch, CA 92610 | 4. <b>CHAMAKURA, Varaprasad</b><br>59 Misty Run<br>Irvine, CA 92614 |
| 5. <b>EL ABDELLAOUI, Hassan</b><br>3915 Cloverwood Meadow Lane<br>High Point, NC 27265 | 6. <b>HONG, Zhi</b><br>24 Blue Summit<br>Irvine, CA 92656                 |   |   |

hereinafter termed "Inventors", have invented certain new and useful improvements in

**DERIVATIVES OF N-(ARYLAMINO) SULFONAMIDES AS INHIBITORS OF MEK**

For which an application for United States Patent was filed on 07/30/2007, Application No. 11/820,733.

WHEREAS, Ardes Biosciences, a corporation of the State of California, having a place of business at 3300 Hyland Avenue, Costa Mesa, CA 92626, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissue and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public-use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: <u>11-09-2007</u>	<u>Andreas Maderna</u> Andreas MADERNA
Date: _____	_____ Jean-Michel VERNIER
Date: _____	_____ Dinesh BARAWKAR
Date: _____	_____ Varaprasad CHAMAKURA
Date: _____	_____ Hassan EL ABDELLAOUI
Date: _____	_____ Zhi HONG

ASSIGNMENT OF APPLICATION

ticket Number 18545-718.501

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2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

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IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____	Andreas MADERNA
Date: <u>11-06-07</u>	Jean-Michel VERNIER
Date: _____	Dinesh BARAWKAR
Date: _____	Varaprasad CHAMAKURA
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Date: _____	Zhi HONG

ASSIGNMENT OF APPLICATION

Docket Number 18545-718.501

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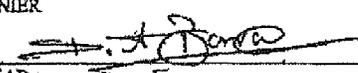
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Date: 08/24/2007	 Dinesh BARAWKAR
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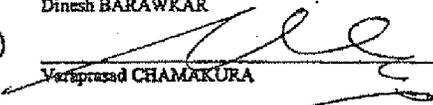
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Date: _____	Dinesh BARAWKAR
Date: <u>01-09-2007 (1<sup>st</sup> Sep 2007)</u>	 Varaprasad CHAMAKURA
Date: _____	Hassan EL ABDELLAOUI
Date: _____	Zhi HONG

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Jocket Number 18545-718.501

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Date: _____	_____
	Dinesh BARAWKAR
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	Varaprasad CHAMAKURA
Date: <u>8/23/2007</u>	_____
	<u>H. EL Abdelloui</u> Hassan EL ABDELLAOUI
Date: _____	_____
	Zhi HONG

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WHEREAS, Ardea Biosciences, a corporation of the State of California, having a place of business at 3300 Hyland Avenue, Costa Mesa, CA 92626, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below:

Date: _____	Andreas MADERNA
Date: _____	Jean-Michel VERNIER
Date: _____	Dinesh BARAWKAR
Date: _____	Varaprasad CHAMAKURA
Date: _____	Hassan EL ABDELLAOUI
Date: 8/30/07	Zhi HONG

CERTIFICATE OF ADDRESS CHANGE

I, James Mackay, duly authorized to execute this Certificate on behalf of the Company, hereby certify that **Ardea Biosciences, Inc.**, a member of the AstraZeneca Group, changed its address as follows:

**ADDRESS CHANGE**

*From:* 3300 Hyland Avenue, Cost Mesa, CA 92626, USA  
*To:* 4939 Directors Place, San Diego, CA, 92121, USA  
*Date:* March 1, 2008

**ADDRESS CHANGE**

*From:* 4939 Directors Place, San Diego, CA, 92121, USA  
*To:* 9390 Towne Centre Drive, San Diego, CA 92121, USA  
*Date:* December 1, 2014

By: \_\_\_\_\_

Name: James Mackay

Position: President & Chief Operating Officer

Date: \_\_\_\_\_

13 MARCH 2015

Place \_\_\_\_\_

San Diego, CA, USA