

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>David Milstein</td> <td>04/03/2013</td> </tr> <tr> <td>Ekambaram Balaraman</td> <td>03/20/2013</td> </tr> <tr> <td>Chidambaram Gunanathan</td> <td>03/20/2013</td> </tr> <tr> <td>Boopathy Gnanaprakasam</td> <td>03/26/2013</td> </tr> <tr> <td>Jing Zhang</td> <td>03/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	David Milstein	04/03/2013	Ekambaram Balaraman	03/20/2013	Chidambaram Gunanathan	03/20/2013	Boopathy Gnanaprakasam	03/26/2013	Jing Zhang	03/21/2013
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<table border="1"> <tr> <td>Name:</td> <td>YEDA RESEARCH AND DEVELOPMENT CO. LTD.</td> </tr> <tr> <td>Street Address:</td> <td>Weizmann Institute Of Science</td> </tr> <tr> <td>Internal Address:</td> <td>P.O. Box 95</td> </tr> <tr> <td>City:</td> <td>Revohot</td> </tr> <tr> <td>State/Country:</td> <td>ISRAEL</td> </tr> <tr> <td>Postal Code:</td> <td>76100</td> </tr> </table>		Name:	YEDA RESEARCH AND DEVELOPMENT CO. LTD.	Street Address:	Weizmann Institute Of Science	Internal Address:	P.O. Box 95	City:	Revohot	State/Country:	ISRAEL	Postal Code:	76100
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 2122944700 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2122946635 Email: dkumar@winston.com Correspondent Name: WINSTON & STRAWN LLP - Allan A. Fanucci Address Line 1: 1700 K Street N.W. Address Line 2: Patent Department Address Line 4: Washington, DISTRICT OF COLUMBIA 200063817</p>													
ATTORNEY DOCKET NUMBER:	85189-21600												

NAME OF SUBMITTER:	Allan A. Fanucci
Signature:	/Allan a. Fanucci/
Date:	06/11/2013
<p>Total Attachments: 12</p> <p>source=85189-21600-Executed-Assignment#page1.tif source=85189-21600-Executed-Assignment#page2.tif source=85189-21600-Executed-Assignment#page3.tif source=85189-21600-Executed-Assignment#page4.tif source=85189-21600-Executed-Assignment#page5.tif source=85189-21600-Executed-Assignment#page6.tif source=85189-21600-Executed-Assignment#page7.tif source=85189-21600-Executed-Assignment#page8.tif source=85189-21600-Executed-Assignment#page9.tif source=85189-21600-Executed-Assignment#page10.tif source=85189-21600-Executed-Assignment#page11.tif source=85189-21600-Executed-Assignment#page12.tif</p>	

ASSIGNMENT

WHEREAS, each of

MILSTEIN David a citizen of Israel residing at,
3 Meonot Brazil, Weizmann Institute of Science, 76100 Rehovot, Israel,

BALARAMAN Ekambaram a citizen of Israel residing at,
c/o Yeda Research and Development Co. Ltd. at the Weizmann Institute of Science,
P.O. Box 95, 76100 Rehovot, Israel,

GUNANATHAN Chidambaram a citizen of Israel residing at,
c/o Yeda Research and Development Co. Ltd. at the Weizmann Institute of Science,
P.O. Box 95, 76100 Rehovot, Israel,

GNANAPRAKASAM Boopathy a citizen of Israel residing at,
c/o Yeda Research and Development Co. Ltd. at the Weizmann Institute of Science,
P.O. Box 95, 76100 Rehovot, Israel,

ZHANG Jing a citizen of Israel residing at,
c/o Yeda Research and Development Co. Ltd. at the Weizmann Institute of Science,
P.O. Box 95, 76100 Rehovot, Israel,

an ASSIGNOR, is an inventor of the invention in **NOVEL RUTHENIUM COMPLEXES AND THEIR USES IN PROCESSES FOR FORMATION AND/OR HYDROGENATION OF ESTERS, AMIDES AND DERIVATIVES THEREOF**, for which an application for a Patent of the United States, identified by Winston & Strawn LLP Docket No. **85189-21600**

☒ is executed on even date herewith.
☒ was filed on April 18, 2013 as Application No. 13/880,328.

WHEREAS, **YEDA RESEARCH AND DEVELOPMENT CO. LTD.**, a corporation of Israel having a place of business at the Weizmann Institute of Science, P.O.Box 95, 76100 Rehovot, Israel, ASSIGNEE, is desirous of obtaining each inventor's entire right, title and interest in, to and under the said invention and the said application.

YEDA 0107 US_Assignment.Doc

NOW, THEREFORE, in exchange for good and valuable consideration to each inventor, the receipt and sufficiency of which is hereby acknowledged, each ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire right, title and interest in, to and under the invention, and any United States provisional or non-provisional application embodying the invention or any other United States application claiming priority to a provisional application under 35 U.S.C. § 119(e) or converted therefrom, or to any application claiming the benefit of a non-provisional application under 35 U.S.C. § 120, including all divisions, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof;

And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, their successors, legal representatives and assigns, in accordance with the terms of this instrument;

And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, their successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE, or their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

3.4.2013 David Milstein
Date David MILSTEIN

On this April day of 3rd, 2013, before me appeared
David MILSTEIN, to me known and known to me to be the person of that name, who signed
the foregoing instrument, and acknowledged the same to be his/her free act and deed.

[Signature]
Witness

Date Ekambaram BALARAMAN

On this _____ day of _____, 2013, before me appeared
Ekambaram BALARAMAN, to me known and known to me to be the person of that name,
who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

Date Chidambaram GUNANATHAN

On this _____ day of _____, 2013, before me appeared
Chidambaram GUNANATHAN, to me known and known to me to be the person of that name,
who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

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Date

Boopathy GNANAPRAKASAM

On this _____ day of _____, 2013, before me appeared **Boopathy GNANAPRAKASAM**, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

March 21. 2013
Date

Jing Zhang
Jing ZHANG

On this 21 day of March 2013, 2013, before me appeared **Jing ZHANG**, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

[Signature]
Witness

ASSIGNMENT

WHEREAS, each of

MILSTEIN David a citizen of Israel residing at,
3 Meonot Brazil, Weizmann Institute of Science, 76100 Rehovot, Israel,

BALARAMAN Ekambaram a citizen of Israel residing at,
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And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the ASSIGNEE, their successors, legal representatives and assigns, in accordance with the terms of this instrument;

And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the ASSIGNEE, their successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the ASSIGNEE, or their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

Date

David MILSTEIN

On this _____ day of _____, 2013, before me appeared **David MILSTEIN**, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

20-03-2013
Date

L. G. Srinivas
20/3/13

Ekambaram BALARAMAN

On this 20th day of March, 2013, before me appeared **Ekambaram BALARAMAN**, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

[Signature]
Witness

Date


Chidambaram GUNANATHAN

On this _____ day of _____, 2013, before me appeared **Chidambaram GUNANATHAN**, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

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26/03/2013
Date


Boopathy GNANAPRAKASAM

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Witness

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Witness

Dr. A. Srinivasan

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- 3 -

Chairperson

School of Chemical Sciences

NISER Bhubaneswar

PATENT

REEL: 030590 FRAME: 0164

Date

Boopathy GNANAPRAKASAM

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[Signature]
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