

## 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>Bo QU</td> <td>05/01/2012</td> </tr> <tr> <td>Chris Hugh SENANAYAKE</td> <td>05/01/2012</td> </tr> <tr> <td>Wenjun Tang</td> <td>04/28/2012</td> </tr> <tr> <td>Xudong WEI</td> <td>05/01/2012</td> </tr> <tr> <td>Nathan K. LEE</td> <td>05/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Bo QU	05/01/2012	Chris Hugh SENANAYAKE	05/01/2012	Wenjun Tang	04/28/2012	Xudong WEI	05/01/2012	Nathan K. LEE	05/18/2012
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Xudong WEI	05/01/2012												
Nathan K. LEE	05/18/2012												
RECEIVING PARTY DATA													
Name:	Boehringer Ingelheim International GmbH												
Street Address:	Binger Strasse 173												
City:	Ingelheim am Rhein												
State/Country:	FEDERAL REPUBLIC GERMANY												
Postal Code:	55216												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13504146</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13504146								
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Application Number:	13504146												
CORRESPONDENCE DATA													
Fax Number:	(203)837-5616												
Phone:	2037989988												
Email:	pat.famey@boehringer-ingelheim.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Boehringer Ingelheim Corporation												
Address Line 1:	900 Ridgebury Road												
Address Line 2:	P. O. Box 368												
Address Line 4:	Ridgefield, CONNECTICUT 06877												
ATTORNEY DOCKET NUMBER:	09-0504												
NAME OF SUBMITTER:	David L. Kershner												

CH \$40.00 13504146

**Total Attachments: 8**

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned ("the Assignors"):

<b>Application Authority Type</b>	Inventor
<b>Primary Citizenship country</b>	CN
<b>Status</b>	Full Capacity
<b>Given Name</b>	Bo
<b>Last Name</b>	QU
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<b>Street of Mailing Address</b>	900 Ridgebury Road
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<b>Country of Mailing Address</b>	US
<b>Postal or Zip Code of Mailing Address</b>	06877-0368

<b>Application Authority Type</b>	Inventor
<b>Primary Citizenship country</b>	US
<b>Status</b>	Full Capacity
<b>Given Name</b>	Chris
<b>Middle Name</b>	Hugh
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<b>Application Authority Type</b>	Inventor
<b>Primary Citizenship country</b>	CN
<b>Status</b>	Full Capacity
<b>Given Name</b>	Wenjun
<b>Last Name</b>	TANG
<b>City of Residence</b>	Shanghai
<b>Country of Residence</b>	CN
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<b>Given Name</b>	Xudong
<b>Last Name</b>	WEI
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<b>Status</b>	Full Capacity
<b>Given Name</b>	Nathan
<b>Middle Name</b>	K.
<b>Last Name</b>	YEE
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hereby sell, assign and transfer to Boehringer Ingelheim International GmbH, a corporation of the Federal Republic of Germany, having a place of business at Binger Strasse 173, 55216 Ingelheim am Rhein, Fed. Republic of Germany, its successors, assigns and legal representatives (collectively "the Assignee"), our entire right, title and interest, including all rights of priority, in and to the application for United States Letters Patent which is entitled:

**NOVEL CHIRAL PHOSPHORUS LIGANDS**  
("the Application")

which





- ☐ was executed by the Assignors on
- ☒ was deposited with the United States Patent and Trademark Office on April 26, 2012, and accorded Serial No.: 13/504,146.

and any and all improvements which are disclosed in the Application ("the Improvements") and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or any other country on any of the Improvements, and in and to all original and reissued patents which have been or shall be issued in the United States or any other country on the Improvements;

Agree that the Assignee may apply for and receive Letters Patent for the Improvements in its own name or in Assignors' names, and that, when requested, without charge to but at the expense of the Assignee to carry out in good faith the intent and purpose of this assignment, the Assignors will execute all provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all of the Improvements, execute all rightful oaths, assignments, powers of attorney, and other papers, communicate to the Assignee all facts known to the

Assignors relating to the Improvements and the history thereof, participate and assist in any judicial or administrative proceedings concerning the Improvements, and generally do everything possible which the Assignee considers desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title to the Improvements and all applications for patents and all patents on the Improvements in the Assignee; and

Covenant with the Assignee that no assignment, grant, mortgage, license, or other agreement affecting the rights and property in the Improvements herein conveyed has been made to others by the Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

SIGNATURE OF APPLICANT	DATE
Bo QU 	05/01/12
 Chris Hugh SENANAYAKE	05/01/12.
Wenjun TANG	
Xudong WEI 	05/01/12
 Nathan K. YEE	5/18/12

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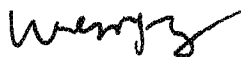
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