

## 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>Shogo SAKUMA</td> <td>01/31/2013</td> </tr> <tr> <td>Masahiko ARAI</td> <td>02/05/2013</td> </tr> <tr> <td>Kunio KOBAYASHI</td> <td>01/31/2013</td> </tr> <tr> <td>Yoshihazu WATANABE</td> <td>01/31/2013</td> </tr> <tr> <td>Toshiyasu IMAI</td> <td>01/31/2013</td> </tr> <tr> <td>Kazuhide INOUE</td> <td>02/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Shogo SAKUMA	01/31/2013	Masahiko ARAI	02/05/2013	Kunio KOBAYASHI	01/31/2013	Yoshihazu WATANABE	01/31/2013	Toshiyasu IMAI	01/31/2013	Kazuhide INOUE	02/20/2013
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<table border="1"> <tr> <td>Name:</td> <td>NIPPON CHEMIPHAR CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>2-3, Iwamoto-cho, 2-Chome</td> </tr> <tr> <td>City:</td> <td>Chiyoda-ku, Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>101-0032</td> </tr> </table>		Name:	NIPPON CHEMIPHAR CO., LTD.	Street Address:	2-3, Iwamoto-cho, 2-Chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN	Postal Code:	101-0032				
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CORRESPONDENCE DATA															
<p>Fax Number: 2025858080  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2025858000  Email: NPPatent@nixonpeabody.com, ppatrick@nixonpeabody.com  Correspondent Name: NIXON PEABODY LLP  Address Line 1: 401 9th Street, N.W., 9TH FL.  Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>															
ATTORNEY DOCKET NUMBER:	740709-647														
NAME OF SUBMITTER:	Jeffrey L. Costellia														
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif															

CH \$40.00 13807387

ASSIGNMENT

Docket 740709-647

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to NIPPON CHEMIPHAR CO., LTD. of 2-3, Iwamoto-cho 2-chome, Chiyoda-ku, Tokyo 101-0032 Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

**P2X<sub>4</sub> RECEPTOR ANTAGONIST**

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefore, filed on December 31, 2012 and assigned Application No. 13/807,387 and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said NIPPON CHEMIPHAR CO., LTD., its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

The undersigned hereby grant(s) the law firm of NIXON PEABODY LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said NIPPON CHEMIPHAR CO., LTD.

- |  | (Full Name)                    | (Signature)          |
|--|--------------------------------|----------------------|
| 1. Date: <u>Jan 21, 2013</u>   | Inventor: <u>Shogo SAKUMA</u>  | <u>Shogo Sakuma</u>  |
| Residence: <u>Same as Post Office Address</u>  | Citizen of: <u>JAPAN</u>       |                      |
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| 2. Date: <u>Feb. 5, 2013</u>   | Inventor: <u>Masahiko ARAI</u> | <u>Masahiko Arai</u> |
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| Post Office Address: <u>c/o Nippon Chemiphar Co., Ltd., Discovery Research Laboratories, 1-22, Hikokawado, Misato-shi, Saitama, 3410005, Japan</u> |                                |                      |

3. Date: Jan 31, 2013 Inventor: Kunio KOBAYASHI Kunio Kobayashi  
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4. Date: Jan 31, 2013 Inventor: Yoshikazu WATANABE Yoshikazu Watanabe  
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5. Date: Jan 31, 2013 Inventor: Toshiyasu IMAI Toshiyasu Imai  
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 Post Office Address: c/o Nippon Chemiphar Co., Ltd., Discovery Research Laboratories, 1-22, Hikokawado, Misato-shi, Saitama, 3410005, Japan
6. Date: Feb. 20, 2013 Inventor: Kazuhide INOUE Kazuhide Inoue  
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7. Date: \_\_\_\_\_ Inventor: \_\_\_\_\_  
 Residence: Same as Post Office Address Citizen of: \_\_\_\_\_  
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8. Date: \_\_\_\_\_ Inventor: \_\_\_\_\_  
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9. Date: \_\_\_\_\_ Inventor: \_\_\_\_\_  
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10. Date: \_\_\_\_\_ Inventor: \_\_\_\_\_  
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11. Date: \_\_\_\_\_ Inventor: \_\_\_\_\_  
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