

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
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Name	Execution Date
KEIICHIROU YAMAMOTO	03/20/2014
MASAYUKI KITAGAWA	03/25/2014
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Property Type	Number
Application Number:	14241924
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DATE SIGNED:	04/23/2014
Total Attachments: 2	
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ASSIGNMENT

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Serial No. 14/241,924 , Filed February 28, 2014
 (based on PCT International Application No. PCT/JP2012/072160 filed August 31, 2012)

WHEREAS,
 Keiichirou YAMAMOTO and Masayuki KITAGAWA,
 respectively citizens of Japan, of
 c/o NIPPON KAYAKU KABUSHIKI KAISHA Pharmaceuticals Research Laboratories,
 31-12, Shimo 3-chome, Kita-ku, Tokyo 1158588 Japan

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
 in

"Method For Manufacturing Block Copolymer"

for which an application for Letters Patent of the United States of America has been executed by the
 undersigned

on March 20, 2014 March 25, 2014 ; and

WHEREAS,
 Nippon Kayaku Kabushiki Kaisha
 (a corporation duly organized and existing under the laws of Japan), of
 11-2, Fujimi 1-chome, Chiyoda-ku,
 Tokyo 1028172 JAPAN
 (assignee),

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is
 desirous of acquiring the entire right, title and interest in and to said invention and in and to any
 Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned
 in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration,
 the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and
 transfer unto said Assignee the full and exclusive right to the said invention in the United States of
 America and its territories, dependencies and possessions and the entire right, title and interest in and
 to any and all Letters Patent(s) which may be granted therefor in the United States of America and its
 territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations
 and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application
 and any continuing, divisional or reissue applications thereof and also to execute separate assignments
 in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of **Nields, Lemack & Frame, LLC** of 176 East Main Street - Suite 5, Westboro, Massachusetts 01581, U. S. A. 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.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date March 20, 2014, Name of Inventor Keiichirou Yamamoto
Keiichirou YAMAMOTO

Date March 25, 2014, Name of Inventor Masayuki Kitagawa
Masayuki KITAGAWA