PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3801625

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTION DATE OF INVENTOR MARTIN NYLOF previously recorded on Reel 034803 Frame 0468. Assignor(s) hereby confirms the EXECUTION DATE 01/11/2011 SHOULD BE 01/11/2012.

CONVEYING PARTY DATA

Name	Execution Date
GABOR CSJERNYIK	01/11/2012
SOFIA KARLSTROM	01/11/2012
ANNIKA KERS	01/11/2012
KARIN KOLMODIN	01/13/2012
MARTIN NYLOF	01/11/2012
LISELOTTE OHBERG	01/11/2012
LASZLO RAKOS	01/11/2012
LARS SANDBERG	01/11/2012
FERNANDO SEHGELMEBLE	01/21/2012
PETER SODERMAN	01/11/2012
BRITT-MARIE SWAHN	01/12/2012
STEFAN VON BERG	01/11/2012

RECEIVING PARTY DATA

Name:	ASTRAZENECA AB
Street Address:	SE-151 85
Internal Address:	ASTRAZENECA AB
City:	SODERTALJE
State/Country:	SWEDEN
Postal Code:	SE-151 85

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14486959

CORRESPONDENCE DATA

Fax Number: (617)235-9492

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: 6506174000

> **PATENT** REEL: 038260 FRAME: 0392

Email: lily.jiang@ropesgray.com

Correspondent Name: LILY JIANG

Address Line 1: ROPES & GRAY LLP

Address Line 2: 1900 UNIVERSITY AVENUE, 6TH FLOOR
Address Line 4: EAST PALO ALTO, CALIFORNIA 94303-2284

ATTORNEY DOCKET NUMBER: 110421-0036-103

NAME OF SUBMITTER: LILY JIANG

SIGNATURE: /Lily Jiang/

DATE SIGNED: 03/25/2016

Total Attachments: 5

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> PATENT REEL: 038260 FRAME: 0393

Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GABOR CSJERNYIK	01/11/2012
SOFIA KARLSTROM	01/11/2012
ANNIKA KERS	01/11/2012
KARIN KOLMODIN	01/13/2012
MARTIN NYLOF	01/11/2011
LISELOTTE OHBERG	01/11/2012
LASZLO RAKOS	01/11/2012
LARS SANDBERG	01/11/2012
FERNANDO SEHGELMEBLE	01/21/2012
PETER SODERMAN	01/11/2012
BRITT-MARIE SWAHN	01/12/2012
STEFAN VON BERG	01/11/2012

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State/Country:	SWEDEN
Postal Code:	SE-151 85

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14486959

Assignment Page 2 of 2

CORRESPONDENCE DATA

Fax Number: (617)235-9492 **Phone:** 6506174000

Email: lily.jiang@ropesgray.com

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provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: LILY JIANG
Address Line 1: ROPES & GRAY LLP

Address Line 2: 1900 UNIVERSITY AVENUE, 6TH FLOOR
Address Line 4: EAST PALO ALTO, CALIFORNIA 94303-2284

ATTORNEY DOCKET NUMBER:	110421-0036-103
NAME OF SUBMITTER:	LILY JIANG
Signature:	/Lily Jiang/
Date:	01/23/2015

Total Attachments: 3

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RECEIPT INFORMATION

EPAS ID: PAT3196249 **Receipt Date**: 01/23/2015

ASSIGNMENT OF INVENTION MADE DURING EMPLOYMENT

The undersigned, KARLSTRÖM, Sofia; KERS, Annika; KOLMODIN, Karin; NYLÖF, Martin; ÖHBERG, Liselotte; RAKOS, Laszlo; SANDBERG, Lars; SEHGELMEBLE, Fernando; SÖDERMAN, Peter and SWAHN, Britt-Marie all SE citizens; CSJERNYIK, Gabor a HU citizen and VON BERG, Stefan a DE citizen all of AstraZeneca R&D Södertälje, SE-151 85 Södertälje, Sweden, as of the 20 day of December 2011 (the "Effective Date") (hereby confirm(s) that by virtue of their contract of employment have assigned, and do hereby assign to AstraZeneca AB, SE-151 85 Södertälje, Sweden an invention made during employment, which invention, in accordance with the rules laid down in the collective bargaining agreement between SAF (the Swedish Employers' Confederation) and PTK (the Swedish Federation of Salaried Employees in Industry and Services) dated 1 April, 1995, has been brought to the attention of the employer and has been categorized as a Class A Invention.

This assignment comprises our entire right, title and interest to said invention made by us and to any and all patents that may be granted thereon.

§3

The assignment as stated in §2, above, includes, but is not restricted to, the right without limitation to apply for, to be granted and to assign patents and other means of protection of industrial property that may be granted on said invention, that is included in US Application No. 13/331284 filed on the 20 day of December 2011 (the "Patent Application") with regard to the invention referred to by this confirmation for a patent, design registration or inventor's certificate or other comparable means of protection of industrial property, and the right to file a patent application anywhere in the world claiming convention priority.

We hereby confirm that calculation of the remuneration for the invention assigned to AstraZeneca AB and shall be subject to the rules stated in the directions, dated 10 February, 1984, as to providing incentives for inventors among employees of the AstraZeneca group of companies.

The AstraZeneca group of companies are entitled at any time to waive their rights to the invention in favour of us in which case any remuneration already paid out is not required to be refunded.

Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

Signed at: Södertälle, Sweden

Date: 2012 0111

10/1/A 47 Name: //

Name: KARLSTRÖM, Sofia

Witnessed by:

Date: <u>&0/2011</u>	Date: 1012 01 13
Amila U47 Name: KERS, Annika	Name: KOLMODIN, Karin
Witnessed by: Name:	Witnessed by:
Date: 20/20/// Name: NYLÖF, Martin Witnessed by:	Date: 20/2-0/-// Same: ÖHBERG, Liselotte Witnessed by:
Name: 1012 - 01 - 1	Name: 2012-01-11
Name: RAKOS, Laszlo	San Dan Lan Name: SANDBERG, Lars
Witnessed by: \(\hat{\frac{\finter{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac}{\frac}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac}{\frac{\frac{\frac{\frac{\frac{\fir}{\fir}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fi	Witnessed by: \(\sqrt{aya} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

Date: 2012-01-2 [Name: SEHGELMEBLE, Fernando	Date: 2012-011/ Name: SÖDERMAN, Peter
Witnessed by: Characa Manuel Name: Christian Be Stund	Witnessed by: Name: Witnessed by: Name:
Date: 2012-0/-/2 Sulf / Jule Swo Name: SWAHN, Britt-Marie	Date: 20120111 S. V. K. Name: VOlyBERG, Stefan
Witnessed by: VIVIA VIVIA Name:	Witnessed by: Name: Name:
The above assignment agreement is accepted: Signed at: Södertälje, Sweden AstraZeneca AB	Date: <u>26 Paw 2012</u>
Christer WAHLSTRÖM Authorised Signatory	