

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Jorg Holenz</td><td>11/24/2009</td></tr><tr><td>Sofia Karlstrom</td><td>11/27/2009</td></tr><tr><td>Karin Kolmodin</td><td>11/25/2009</td></tr><tr><td>Johan Lindstrom</td><td>11/25/2009</td></tr><tr><td>Laszlo Rakos</td><td>11/30/2009</td></tr><tr><td>Didier Rotticci</td><td>11/30/2009</td></tr><tr><td>Peter Soderman</td><td>12/01/2009</td></tr><tr><td>Britt-Marie Swahn</td><td>11/25/2009</td></tr><tr><td>Stefan Von Berg</td><td>11/25/2009</td></tr></tbody></table>		Name	Execution Date	Jorg Holenz	11/24/2009	Sofia Karlstrom	11/27/2009	Karin Kolmodin	11/25/2009	Johan Lindstrom	11/25/2009	Laszlo Rakos	11/30/2009	Didier Rotticci	11/30/2009	Peter Soderman	12/01/2009	Britt-Marie Swahn	11/25/2009	Stefan Von Berg	11/25/2009
Name	Execution Date																				
Jorg Holenz	11/24/2009																				
Sofia Karlstrom	11/27/2009																				
Karin Kolmodin	11/25/2009																				
Johan Lindstrom	11/25/2009																				
Laszlo Rakos	11/30/2009																				
Didier Rotticci	11/30/2009																				
Peter Soderman	12/01/2009																				
Britt-Marie Swahn	11/25/2009																				
Stefan Von Berg	11/25/2009																				
RECEIVING PARTY DATA																					
<table border="1"><tr><td>Name:</td><td>AstraZeneca AB</td></tr><tr><td>Street Address:</td><td>SE-151 85</td></tr><tr><td>City:</td><td>Sodertalje</td></tr><tr><td>State/Country:</td><td>SWEDEN</td></tr></table>		Name:	AstraZeneca AB	Street Address:	SE-151 85	City:	Sodertalje	State/Country:	SWEDEN												
Name:	AstraZeneca AB																				
Street Address:	SE-151 85																				
City:	Sodertalje																				
State/Country:	SWEDEN																				
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>12618212</td></tr></tbody></table>		Property Type	Number	Application Number:	12618212																
Property Type	Number																				
Application Number:	12618212																				
CORRESPONDENCE DATA																					
Fax Number: (302)886-8221 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
Email: frances.toutkaldjian@astrazeneca.com																					
Correspondent Name: David M. Gryte																					
Address Line 1: 1800 Concord Pike																					
Address Line 2: AstraZeneca, Global Intellectual Proprty																					
Address Line 4: Wilmington, DELAWARE 19803																					
ATTORNEY DOCKET NUMBER:	103578-1 US/NS																				

PATENT

501043087

REEL: 023663 FRAME: 0373

CH \$40.00 12618212

NAME OF SUBMITTER:

Frances Toutkaldjian

Total Attachments: 4

source=103578_assignment#page1.tif

source=103578_assignment#page2.tif

source=103578_assignment#page3.tif

source=103578_assignment#page4.tif

ASSIGNMENT

Now, therefore, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, we

KARLSTRÖM Sofia, KOLMODIN Karin, LINDSTRÖM Johan, RAKOS Laszlo, SÖDERMAN Peter, SWAHN Britt-Marie all SE citizens; VON BERG Stefan and HOLENZ Jörg both DE citizens; ROTTICCI Didier a FR citizen; all of AstraZeneca R&D, Södertälje, SE-151 85 Södertälje, Sweden

hereafter referred to as ASSIGNOR (S),

Hereby confirm that we have sold, assigned and transferred to ASSIGNEE **AstraZeneca AB**, a company created and existing under the laws of Sweden, having its Head Office at SE-151 85 Södertälje, Sweden, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, in and to the inventions and any and all improvements thereon which are the subject of an application entitled:

NEW COMPOUNDS

And which is disclosed in:

- (a) ☐ U.S. patent application executed on even date herewith;
- (b) ☐ U.S. patent application executed on _____;
- (c) ☒ U.S. application no. 12/618212 filed on 13-Nov-2009;
- (d) ☐ International application no. _____ filed on _____.

And in and to the above application and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to any division, continuation or continuation-in-part, renewal or substitute thereof, and in and to all resulting Letters Patents or any reissue or reexamination thereof, to have and to hold the same to the full end of the term or terms for which any and all of said Letters Patent may be granted;

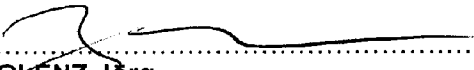
ASSIGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

ASSIGNOR(S) hereby covenant(s) that ASSIGNOR(S) has/have the full power to make this assignment, and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; and

Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes of interference or other administrative or legal proceedings whenever requested; to testify in any interference, legal or administrative proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

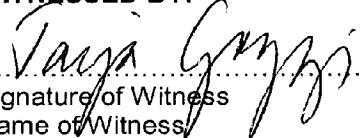
Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
HÖLENZ Jörg
Signature of Assignor

2009-11-24
.....
Date of Assignor's Signature

WITNESSED BY:

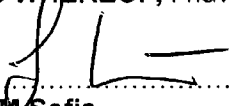

.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI
.....

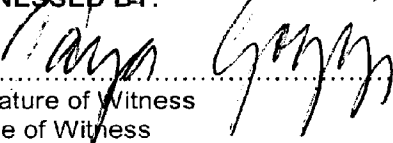
LARS-INGE OLSSON
.....


IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
KARLSTRÖM Sofia
Signature of Assignor

2009-11-27
.....
Date of Assignor's Signature

WITNESSED BY:

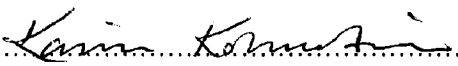

.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI
.....

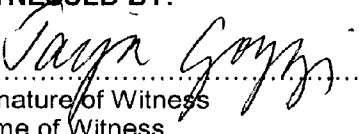
LARS-INGE OLSSON
.....


IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
KOLMODIN Karin
Signature of Assignor

2009-11-25
.....
Date of Assignor's Signature

WITNESSED BY:


.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI
.....

LARS-INGE OLSSON
.....

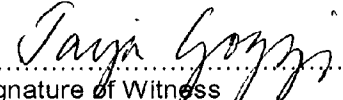
Additional signature pages attached: ☒ Yes ☐ No


IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
LINDSTRÖM Johan
Signature of Assignor

09/12/25
.....
Date of Assignor's Signature

WITNESSED BY:

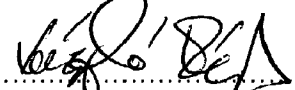

.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI


LARS-INGE OLSSON


IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
RAKOS Laszlo
Signature of Assignor

2009-11-30
.....
Date of Assignor's Signature

WITNESSED BY:

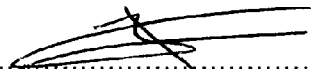

.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI

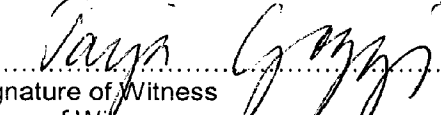
LARS-INGE OLSSON

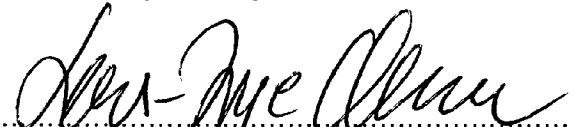
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
ROTTICCI Didier
Signature of Assignor

2009-11-30
.....
Date of Assignor's Signature

WITNESSED BY:


.....
Signature of Witness
Name of Witness
(Type or print clearly)


.....
Signature of Witness
Name of Witness
(Type or print clearly)

TARJA GOZZI

LARS-INGE OLSSON

Additional signature pages attached: ☒ Yes ☐ No

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Peter Söderman
SÖDERMAN Peter
Signature of Assignor

2009-12-01
Date of Assignor's Signature

WITNESSED BY:

Tanja Gozzi
Signature of Witness
Name of Witness
(Type or print clearly)

LARS-INGE OLSSON
Signature of Witness
Name of Witness
(Type or print clearly)

TANIA GOZZI

Lars-Inge Olsson

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Britt-Marie Swahn
SWAHN Britt-Marie
Signature of Assignor

2009-11-25
Date of Assignor's Signature

WITNESSED BY:

Tanja Gozzi
Signature of Witness
Name of Witness
(Type or print clearly)

Lars-Inge Olsson
Signature of Witness
Name of Witness
(Type or print clearly)

TANIA GOZZI

LARS-INGE OLSSON

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

Stefan von Berg
VON BERG Stefan
Signature of Assignor

2009-11-25
Date of Assignor's Signature

WITNESSED BY:

Tanja Gozzi
Signature of Witness
Name of Witness
(Type or print clearly)

Lars-Inge Olsson
Signature of Witness
Name of Witness
(Type or print clearly)

TANIA GOZZI

LARS-INGE OLSSON

Additional signature pages attached: ☐ Yes ☒ No