PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY DATA			
Name Execution Date			Execution Date
Matthew Boeckeler			06/29/2010
RECEIVING PARTY DATA			
Name: AstraZeneca AB			
Street Address:	SE-151 85		
City:	Sodertalje		
State/Country:	SWEDEN		
PROPERTY NUMBERS Total: 1			
Property Type		Number	
Application Number: 12747038			
CORRESPONDENCE DATA Fax Number: (202)408-4400			
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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.			
Email: margie.harris@finnegan.com Correspondent Name: Christopher Agrawal			
Correspondent Name: Christopher Agrawal Address Line 1: 901 New York Avenue, NW			
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Address Line 4: Washington, DISTRICT OF COLUMBIA 20001			
ATTORNEY DOCKET NUMBER:		11285.0035	
NAME OF SUBMITTER:		Christopher Agrawal	
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif			

ATTORNEY DOCKET NO.: AstraZeneca Ref.: 103187-1P US/R&I

ASSIGNMENT

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

BOECKELER, Mathew a US citizen of AstraZeneca R&D Boston, 35 Gatehouse Drive, Waltham, Massachusetts 02451, United States of America

hereafter referred to as ASSIGNOR (S),

Hereby sell(s), assign(s) and transfer(s) to ASSIGNEE **AstraZeneca AB**, company created and existing under the laws of Sweden, having its Head Office at SE-151 85 Södertalje, 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:

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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. _____ filed on ____;
- (d) International application no. PCT/SE2008/051425 filed on 9 December 2008 (09.12.2008).

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.

PATENT REEL: 024979 FRAME: 0049

1

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

2010 **BOECKELER**, Matthew Signature of Assignor Date of Assignor's Signature WITNESSED BY: GNO Signature of Witness Signature of Witness Name of Witness (Type or print clearly) Signature of Witness Name of Witness AUDREYWIlliams (Type of print clearly)

Additional signature pages attached: 🗌 Yes 🛛 No

RECORDED: 09/13/2010