

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Roger Victor BONNERT	08/17/2009
Thomas MCINALLY	08/10/2009
Stephen THOM	08/14/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AstraZeneca AB
<b>Street Address:</b>	Global Intellectual Property
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<b>Internal Address:</b>	Chuo-ku, Osaka-shi
<b>City:</b>	Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	541-8524
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12532090
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CH \$40.00 12532090

**500967948**

**PATENT**  
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ATTORNEY DOCKET NUMBER:

056291-5514

NAME OF SUBMITTER:

Donald J. Bird

Total Attachments: 2

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### ASSIGNMENT

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

Roger, Victor BONNERT (GB), Thomas MCINALLY and Stephen THOM all of AstraZeneca R&D Charnwood, Bakewell Road, Loughborough Leicestershire LE11 5RH, United Kingdom

hereafter referred to as ASSIGNOR (S),

Hereby sell(s), assign(s) and transfer(s) 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 **DAINIPPON SUMITOMO PHARMA CO., LTD.** a company created and existing under the laws of Japan, having its Head Office at 6-8, Dosho-machi 2-chome, Chuo-ku, Osaka-shi, Osaka 541-8524, Japan, 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:

9-SUBSTITUTED-8-OXO-ADENINE COMPOUNDS AS TOLL-LIKE RECEPTOR (TLR7) MODULATORS

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/GB2008/000958 filed on 19 March 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

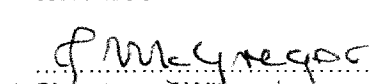
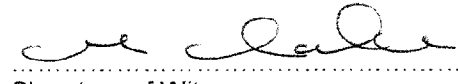
Without further payment or compensation by the ASSIGNEE or its successors and assigns, ASSIGNOR(S) further covenant(s) and agree(s) to communicate to said ASSIGNEE or its representatives, agents, its successors or assigns, any facts relating to said invention or inventions including evidence for purposes 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.

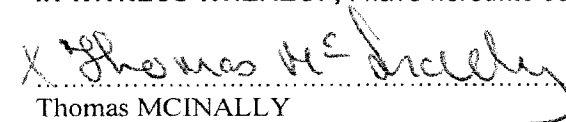
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.

X  17/8/09  
Roger, Victor BONNERT  
Signature of Assignor Date of Assignor's Signature

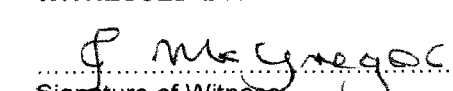
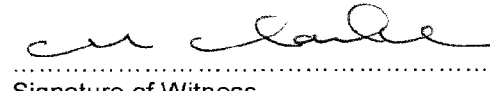
WITNESSED BY:

   
Signature of Witness Signature of Witness  
Name of Witness Name of Witness  
(Type or print clearly) (Type or print clearly)  
JANIS MCGREGOR CHRISTINE CLARKE


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

X  10-8-2009  
Thomas MCINALLY  
Signature of Assignor Date of Assignor's Signature

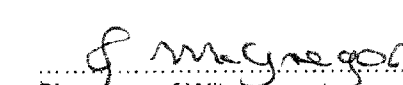
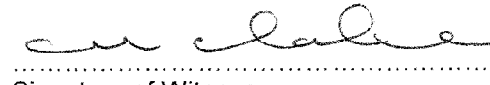
WITNESSED BY:

   
Signature of Witness Signature of Witness  
Name of Witness Name of Witness  
(Type or print clearly) (Type or print clearly)  
JANIS MCGREGOR CHRISTINE CLARKE

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

X  14-8-2009  
Stephen THOM  
Signature of Assignor Date of Assignor's Signature

WITNESSED BY:

   
Signature of Witness Signature of Witness  
Name of Witness Name of Witness  
(Type or print clearly) (Type or print clearly)  
JANIS MCGREGOR CHRISTINE CLARKE

Additional signature pages attached: ☐ Yes ☒ No