

A/D 581-40

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HEET



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Commissioner for Patents: Please record	
1. Name of conveying party(ies): Simon David Guile and Anthony Howard Ingall Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): AstraZeneca AB SE-151 85 Södertälje SWEDEN Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 06/16/2005	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: 06/16/2005 A. Patent Application No(s): B: Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: JANIS K. FRASER, PH.D., J.D. Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Janis K. Fraser, Ph.D., J.D. Req. No. 34,819 Name of Person Signing	 Signature Date
Total number of pages including coversheet, attachments and document: 3	

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PATENT
REEL: 017511 FRAME: 0214

ASSIGNMENT

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

Simon David GUILLE, and Anthony Howard INGALL, both 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 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:

THIENOPYRIDAZINONES AND THEIR USE IN MODULATION OF AUTOIMMUNE DISEASE

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/SE2004/000053 filed on 15 January 2004.

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;

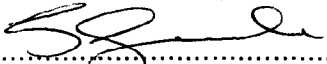
ASSIGNOR(S) authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns;

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.

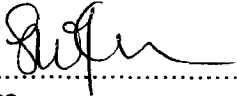
Any attorney of record is authorized and requested by the execution of this assignment to insert into this assignment any further information necessary for recordation of this document.

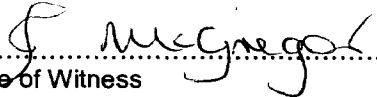
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
Simon David GUILLE
Signature of Assignor

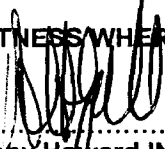
16/6/05
.....
Date of Assignor's Signature

WITNESSED BY:


.....
Signature of Witness
Name of Witness
(Type or print clearly) **SARAH KILBORN**

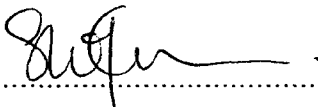

.....
Signature of Witness
Name of Witness
(Type or print clearly) **JANIS MCGREGOR**

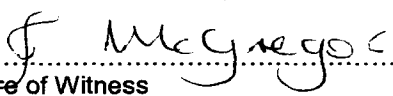
IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date below written.


.....
Anthony Howard INGALL
Signature of Assignor

16/6/05
.....
Date of Assignor's Signature

WITNESSED BY:


.....
Signature of Witness
Name of Witness
(Type or print clearly) **SARAH KILBORN**


.....
Signature of Witness
Name of Witness
(Type or print clearly) **JANIS MCGREGOR**

Additional signature pages attached: Yes No