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Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



103482936



To the Director of the U.S. Patent and Trademark Office, please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Martin Bolli (12/05/2007), David Lehmann (12/05/2007), Boris Mathys (12/05/2007), Claus Mueller (12/05/2007), and

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: ACTELION PHARMACEUTICALS LTD.

Internal Address: _____

Street Address: _____

Gewerbestrasse 16

City: Allschwil

State: _____

Country: Switzerland Zip: CH-4123

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/993,563 U.S. National Phase of International Application
PCT/IB/2006/051990

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Charles E. Miller
DICKSTEIN SHAPIRO LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1001

Expiration Date 01/11

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

February 13, 2008

Date

Charles E. Miller - 24,576

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

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**RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)**

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Jörg Velker (12/05/2007)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes

No

PATENT APPLICATION ASSIGNMENT
SOLE OR JOINT INVENTORS
EXECUTED OUTSIDE USA

FILE NO. *A0345.0042*

WHEREAS, we

1. BOLLI, Martin, Bachgrabenweg 21, CH-4123 Allschwil, Switzerland
2. LEHMANN, David, Turnerstrasse 9, CH-4058 Basel, Switzerland
3. MATHYS, Boris, Wartenbergstrasse 48, CH-4133 Pratteln, Switzerland
4. MUELLER, Claus, Wittlinger Strasse 37, D-79576 Weil am Rhein, Germany
5. VELKER Jörg, 8, rue Wilson, F-68330 Huningue, France

as assignors, have invented certain improvements in

NOVEL THIOPHENE DERIVATIVES

or which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Actelion Pharmaceuticals Ltd., as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefore.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefore in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and consent without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date:	<i>December 5, 2007</i>	BOLLI, Martin	<i>Martin Bolli</i>
Date:	<i>December 5, 2007</i>	LEHMANN, David	<i>David Lehmann</i>
Date:	<i>December 5, 2007</i>	MATHYS, Boris	<i>Boris Mathys</i>
Date:	<i>December 5, 2007</i>	MUELLER, Claus	<i>Claus Mueller</i>
Date:	<i>December 5, 2007</i>	VELKER, Jörg	<i>Jörg Velker</i>

PATENT

RECORDED: 02/13/2008

REEL: 020551 FRAME: 0683