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PATENT

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

FFET 10/537400  
17 Rec'd PCT/PTO 02 JUN 2005

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 (04/05/2005), Christoph Boss (04/05/2005), Martine Clozel (04/11/2005), Walter Fischli (04/07/2005), and Thomas Weller (04/07/2005)

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: \_\_\_\_\_

Actelion Pharmaceuticals, Ltd.  
Gewerbstrasse 16,  
CH-4123  
Allschwil,  
Switzerland

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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):**

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

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 MORIN & OSHINSKY  
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 1002  
Expiration Date 02/28/06

b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

June 2, 2005

Date

Charles E. Miller - 24,576

Name of Person Signing

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

2

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PATENT  
REEL: 017413 FRAME: 0994

PATENT APPLICATION ASSIGNMENT  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE USAFILE NO. *A0345.0010*

WHEREAS, we

BOLLI, Martin [CH/CH]; Bachgrabenweg 21, CH-4123 Allschwil (CH)  
 BOSS, Christoph [CH/CH]; Muesmattweg 98, CH-4123 Allschwil (CH)  
 CLOZEL, Martine [FR/CH]; Winterhalde 3b, CH-4102 Binningen (CH)  
 FISCHLI, Walter [CH/CH]; Obertorweg 64, CH-4123 Allschwil (CH)  
 WELLER, Thomas [CH/CH]; Hoelzlistrasse 58, CH-4102 Binningen (CH)

as assignors, have invented certain improvements in

Novel Sulfamides

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 convent 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>04.05.05</i>	BOLLI, Martin	<i>M.H. Bolli</i>
Date:	<i>04.05.05</i>	BOSS, Christoph	<i>[Signature]</i>
Date:	<i>04.11.05</i>	CLOZEL, Martine	<i>Martine Clozel</i>
Date:	<i>Apr 07, 2005</i>	FISCHLI, Walter	<i>Walter Fischli</i>
Date:	<i>April 07, 2005</i>	WELLER, Thomas	<i>Thomas Weller</i>