

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|--|-------------------------------|----------------|---------------------|------------|--------------|------------|----------------|------------|----------------|------------|-----------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eva Caroff</td> <td>05/03/2010</td> </tr> <tr> <td>Kurt Hilpert</td> <td>05/03/2010</td> </tr> <tr> <td>Francis Hubler</td> <td>05/03/2010</td> </tr> <tr> <td>Emmanuel Meyer</td> <td>05/03/2010</td> </tr> <tr> <td>Dorte Renneberg</td> <td>05/03/2010</td> </tr> </tbody> </table> | Name | Execution Date | Eva Caroff | 05/03/2010 | Kurt Hilpert | 05/03/2010 | Francis Hubler | 05/03/2010 | Emmanuel Meyer | 05/03/2010 | Dorte Renneberg | 05/03/2010 | |
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| Eva Caroff | 05/03/2010 | | | | | | | | | | | | |
| Kurt Hilpert | 05/03/2010 | | | | | | | | | | | | |
| Francis Hubler | 05/03/2010 | | | | | | | | | | | | |
| Emmanuel Meyer | 05/03/2010 | | | | | | | | | | | | |
| Dorte Renneberg | 05/03/2010 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| Name: | Actelion Pharmaceuticals Ltd. | | | | | | | | | | | | |
| Street Address: | Gewerbestrasse 16 | | | | | | | | | | | | |
| City: | Allschwil | | | | | | | | | | | | |
| State/Country: | SWITZERLAND | | | | | | | | | | | | |
| Postal Code: | CH-4123 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12745358</td> </tr> </tbody> </table> | Property Type | Number | Application Number: | 12745358 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12745358 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| Fax Number: | 9739125232 | | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | |
| Email: | file@hoxpat.com | | | | | | | | | | | | |
| Correspondent Name: | Hoxie & Associates, LLC | | | | | | | | | | | | |
| Address Line 1: | 75 Main Street | | | | | | | | | | | | |
| Address Line 2: | Suite 301 | | | | | | | | | | | | |
| Address Line 4: | Millburn, NEW JERSEY 07041 | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | AC-96-US | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Brittany La Reg. No. 58337 | | | | | | | | | | | | |
| Total Attachments: 1 source=AC-96-US_Assignment#page1.tif | | | | | | | | | | | | | |

CH \$40.00 12745358

ASSIGNMENT

Whereas the undersigned, hereinafter referred to as "ASSIGNOR(s)", have invented certain novel and useful subject matter (the Invention) as disclosed in an application pursuant to the Patent Cooperation Treaty (PCT) entitled:

PHOSPHONIC ACID DERIVATES AND THEIR USE AS P2Y12 RECEPTOR ANTAGONISTS


having PCT International Application number: PCT/IB2008/055002

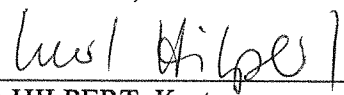
and designating the United States of America.

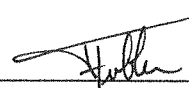
Whereas, Actelion Pharmaceuticals Ltd having an address of Gewerbestraße 16, CH-4123 Allschwil, Switzerland (hereafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the Invention for the United States of America;


Now, therefore, as of the 3rd day of May, 2010, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR(s) do hereby sell, assign, transfer and set over to ASSIGNEE their entire right, title and interest in and to the Invention for the United States of America, together with all right, title and interest in and to all United States patent applications claiming priority from, or based on, or claiming the same invention as the above-referenced PCT application, including applications pursuant to 35 U.S.C. §371, divisional applications and continuation applications, and all United States Letters Patents which may be granted on any of these, and all reissues, reexaminations and extensions thereof, and ASSIGNOR(s) do hereby authorize and request the United States Commissioner of Patents to issue all such patents to ASSIGNEE in accordance with the terms of this Assignment. ASSIGNOR(s) further agree to provide such assistance and execute such other and further documents as may be reasonably required by ASSIGNEE to obtain and enforce patent protection for the Invention and to perfect the title granted herein.

Signed, sealed and delivered by:


NAME: CAROFF, Eva


NAME: HILPERT, Kurt


NAME: HUBLER, Francis


NAME: MEYER, Emmanuel


NAME: RENNEBERG, Dorte