

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                    |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                               |                       |
|                                                                                                                                                                                                 | <b>Name</b>                   | <b>Execution Date</b> |
|                                                                                                                                                                                                 | ERIC MERTZ                    | 11/20/2012            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                               |                       |
| <b>Name:</b>                                                                                                                                                                                    | HOFFMANN-LA ROCHE INC.        |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 340 KINGSLAND STREET          |                       |
| <b>City:</b>                                                                                                                                                                                    | NUTLEY                        |                       |
| <b>State/Country:</b>                                                                                                                                                                           | NEW JERSEY                    |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 07110                         |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                               |                       |
|                                                                                                                                                                                                 | <b>Property Type</b>          | <b>Number</b>         |
|                                                                                                                                                                                                 | Application Number:           | 14441711              |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                               |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | (973)596-0545                 |                       |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                               |                       |
| <b>Phone:</b>                                                                                                                                                                                   | 9735964500                    |                       |
| <b>Email:</b>                                                                                                                                                                                   | IPDocket@gibbonslaw.com       |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | SAMUEL H. MEGERDITCHIAN       |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | ONE GATEWAY CENTER            |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | NEWARK, NEW JERSEY 07102-5310 |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 111890-83282 (31296 US1)      |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | SAMUEL H. MEGERDITCHIAN       |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Samuel H. Megerditchian/     |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 05/15/2015                    |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                               |                       |
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| source=1110890-83282 - Assignment from Mertz to HLR#page2.tif                                                                                                                                   |                               |                       |

**ASSIGNMENT**

WHEREAS, I/WE, **Eric Mertz** (Assignor(s))

together with **Romyr Dominique, Francisco Javier Lopez-Tapia, and Sung-Sau So** have invented one or more new and useful inventions, described in application for United States Patent identified as **U.S. Application No. 61/727,130** filed on **November 16, 2012**, entitled

**INHIBITORS OF BRUTON'S TYROSINE KINASE**

WHEREAS, **HOFFMANN-LA ROCHE INC.**, a corporation organized and existing under and by virtue of the laws of the State of New Jersey, and having its principal place of business at Nutley, New Jersey, is desirous of acquiring the entire interest in and to said invention, said application and the Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and set over, and by these presents do hereby sell, assign, and set over unto the said **HOFFMANN-LA ROCHE INC.** (Assignee), and said Assignee's legal representatives, successors, the entire right, title and interest, for the whole world, in and to said invention and said application, as well as any subsequent application which claims priority based upon the filing date of said application identified as **U.S. Application No. 61/727,130** and the patents, both domestic and foreign, that may or shall result therefrom including the right to claim in respect of any subsequent United States and foreign patent applications and patents, the priority date of said application under any United States statute and international convention or treaty; and we do hereby authorize and request the issuance of said patents, domestic and foreign, conformably to the terms of this Agreement.

FOR SAID CONSIDERATION, we also covenant and agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining provisional, original, continuation, continuation-in-part, divisional, reissued, re-examined or extended Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, including but not limited to, giving testimony in any proceedings or transactions involving such applications or patents, and executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF we sign as follows:

Sign: Eric Mertz  
Eric Mertz

Date: 11/20/2012

In the presence of: Paula M. Balija

Sign: Paula M. Balija

Print Name: Paula M. Balija  
Paula M. Balija

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Rev. 05/24/2012