

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Mark Henderson	04/03/2009
Steven Jungles	04/03/2009
Robert Baffi	04/07/2009
Gabriele Roidl	04/03/2009

**RECEIVING PARTY DATA**

Name:	BioMarin Pharmaceutical Inc.
Street Address:	105 Digital Drive
City:	Novato
State/Country:	CALIFORNIA
Postal Code:	94949

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12349479

**CORRESPONDENCE DATA**

Fax Number: (415)506-6546  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 415-506-6709  
 Email: rjagow@bmrn.com  
 Correspondent Name: Luisa Bigornia  
 Address Line 1: 105 Digital Drive  
 Address Line 4: Novato, CALIFORNIA 94949

NAME OF SUBMITTER: Rhoda Jagow

Total Attachments: 6  
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**PATENT  
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ASSIGNMENT

WHEREAS, WE, Mark Henderson, a citizen of the United States, residing at 369 Elm Avenue, Larkspur, CA 94939-2040; Steven Jungles, a citizen of the United States, residing at 475 Fairway Drive, Novato CA 94949; Gabriele Roidl, a citizen of Germany, residing at Ramsfluhweg 23, 5018 Erlinsbach, Switzerland; Robert Baffi, a citizen of the United States, residing at 5 Lisa Lane, Moraga, CA 94556; Adriano Indolese, a citizen of Swizerland, residing at Schulstrasse 8, 4313 Möhlin, Swizerland; Christian Müller, a citizen of Germany, residing at Spitzackerweg 7, 79576 Weil am Rhein, Germany; Philipp Schmidt, a citizen of Germany, residing at Zwischen den Wegen 16, 79540 Lörrach, Germany; and Stefan Kaiser, a citizen of Switzerland, residing at Tiefengrabenstrasse 14, 4102 Binningen, Switzerland; ASSIGNORS, are inventors of the invention in METHOD OF SYNTHESIZING TETRAHYDROBIOPTERIN for which we have executed an application for a Patent of the United States

Which is identified by Jones Day docket no. 11808-062-999

Which was filed on January 6, 2009, Application No. 12/349,479

and WHEREAS, BIOMARIN PHARMACEUTICAL INC., ASSIGNEE and having an office for the transaction of business at 105 Digital Drive, Novato, CA 94949, ASSIGNEE, is desirous of obtaining the said assignors's entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 03 April, 2009,  L.S.  
Mark Henderson

State of California )  
County of Marin ) SS.:

On \_\_\_\_\_, 2009, before me, \_\_\_\_\_, Notary Public, personally appeared Mark Henderson, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

*See  
1008 certificate*

Date 03 April, 2009

Steven Jungles  
Steven Jungles

L.S.

State of \_\_\_\_\_ )  
                                  ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2009, before me, \_\_\_\_\_, Notary Public, personally appeared Steven Jungles, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

*See attached certificate*

Date 4/7, 2009

Robert Baffi  
Robert Baffi

L.S.

State of \_\_\_\_\_ )  
                                  ) SS.:  
County of \_\_\_\_\_ )

On \_\_\_\_\_, 2009, before me, \_\_\_\_\_, Notary Public, personally appeared Robert Baffi, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

*See attached certificate*

Date \_\_\_\_\_, 2009

\_\_\_\_\_  
Gabriele Roidl

L.S.

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
WITNESS

Date \_\_\_\_\_, 2009

\_\_\_\_\_  
Adriano Indolese

L.S.

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
WITNESS

Date \_\_\_\_\_, 2009

Steven Jungles

L.S.

State of )  
                  ) SS.:  
County of )

On \_\_\_\_\_, 2009, before me, \_\_\_\_\_, Notary Public, personally appeared Steven Jungles, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

Date \_\_\_\_\_, 2009

Robert Baffi

L.S.

State of )  
                  ) SS.:  
County of )

On \_\_\_\_\_, 2009, before me, \_\_\_\_\_, Notary Public, personally appeared Robert Baffi, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

\_\_\_\_\_

Date April 3<sup>rd</sup>, 2009

Gabriele Roidi  
Gabriele Roidi

L.S.

WITNESS

WITNESS

Date \_\_\_\_\_, 2009

Adriano Indolese

L.S.

WITNESS

WITNESS

Date \_\_\_\_\_, 2009

Christian Müller

L.S.

WITNESS

WITNESS

Date \_\_\_\_\_, 2009

Philipp Schmidt

L.S.

WITNESS

WITNESS

Date \_\_\_\_\_, 2009

Stefan Kaiser

L.S.

WITNESS

WITNESS

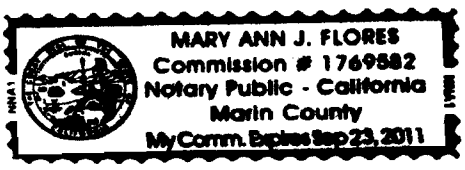
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Marin

On April 7, 2009 before me, Mary Ann Flores Notary Public

personally appeared Robert Baffi



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal Above

Signature Mary Ann Flores  
Signature of Notary Public

**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document: U.S. Assignment (12/349, 479)

Document Date: \_\_\_\_\_ Number of Pages: 3

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

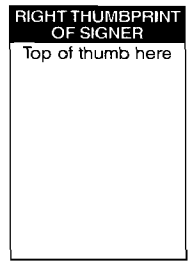
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

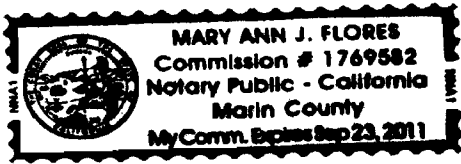
**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Marin

On April 3, 2009 before me, Mary Ann J. Flores, Notary Public

personally appeared Mark Henderson and Steven Jungles



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Mary Ann J. Flores  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document: U.S. Assignment (12/349,479)

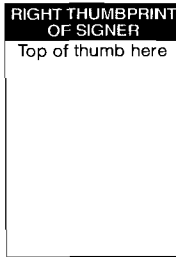
Document Date: \_\_\_\_\_ Number of Pages: 3

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

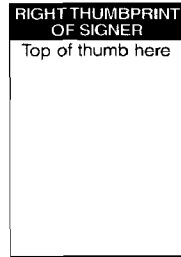
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_