

PATENT ASSIGNMENT

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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>Reza Oliyai</td> <td>10/24/2012</td> </tr> <tr> <td>Vahid Zia</td> <td>10/24/2012</td> </tr> <tr> <td>Dimitrios Stefanidis</td> <td>10/19/2012</td> </tr> <tr> <td>Rowchanak Pakdaman</td> <td>10/24/2012</td> </tr> <tr> <td>Melissa Jean Casteel</td> <td>10/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Reza Oliyai	10/24/2012	Vahid Zia	10/24/2012	Dimitrios Stefanidis	10/19/2012	Rowchanak Pakdaman	10/24/2012	Melissa Jean Casteel	10/24/2012
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<table border="1"> <tr> <td>Name:</td> <td>Gilead Pharmasset LLC</td> </tr> <tr> <td>Street Address:</td> <td>333 Lakeside Drive</td> </tr> <tr> <td>City:</td> <td>Foster City</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94404</td> </tr> </table>		Name:	Gilead Pharmasset LLC	Street Address:	333 Lakeside Drive	City:	Foster City	State/Country:	CALIFORNIA	Postal Code:	94404		
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CORRESPONDENCE DATA													
<p>Fax Number: 2122182200 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 212-218-2568 Email: mmiglio@fchs.com</p> <p>Correspondent Name: Alicia A. Russo Address Line 1: Fitzpatrick, Cella, Harper & Scinto Address Line 2: 1290 Avenue of the Americas Address Line 4: New York, NEW YORK 10104-3800</p>													
ATTORNEY DOCKET NUMBER:	03956.055500.												
NAME OF SUBMITTER:	Alicia A. Russo												

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Total Attachments: 4

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PATENT

REEL: 029629 FRAME: 0386

ASSIGNMENT RE NON-PROVISIONAL APPLICATION FOR ALL COUNTRIES

FOR VALUE RECEIVED, WE Reza OLIYAI; Vahid ZIA; Dimitrios STEFANIDIS; Rowchanak PAKDAMAN; and Melissa Jean CASTEEL

citizens of USA; USA; Canada; USA and France; and USA

residing, respectively, at 1504 Alturas Drive, Burlingame, CA 94010, USA; 53 Maple Way, San Carlos, CA 94070, USA; 278 Monroe Drive, Apartment 14, Mountain View, CA 94040, USA; 16 Wildwood Avenue, San Carlos, CA 94070, USA; and 749 Lexington Way, Burlingame, CA 94010, USA

hereby sell, assign, transfer and convey unto GILEAD PHARMASSET LLC

a corporation of Delaware, USA

having a place of business at c/o Gilead Science, Inc., 333 Lakeside Drive, Foster City, CA 94404, USA

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for all countries, in and to certain inventions relating to

COMPOSITIONS AND METHODS FOR TREATING HEPATITIS C VIRUS

filed herewith and claiming the priority benefit of U.S. Provisional Application No. 61/564,500, filed on 29 November 2011; International Application No. PCT/US2012/055621, filed on 14 September 2012; U.S. Provisional Application No. 61/707,459, filed on 28 September 2012; and U.S. Application No. 13/661,509, filed on October 26, 2012, and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

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

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

Name

Signature

Date

Reza OLIVAI

Witness:

Sharon Davino

Sandy Hon

10/24/2012

OCT. 24, 2012

Name

Signature

Date

Vahid ZIA

Witness:

Sharon Davino

Sandy Hon

OCT 24, 2012

OCT. 24, 2012

Name

Signature

Date

Dimitrios STEFANIDIS

Witness:

Sharon Davino

Sandy Hon

OCT 19, 2012

OCT. 19, 2012

Name

Signature

Date

Rowchanak PAKDAMAN

Witness:

Sharon Davino

Sandy Hon

10-24-12

OCT. 24, 2012

STATE OF: California

COUNTY OF:

)
) ss.:
)

Name

Signature

Date

Melissa Jean CASTEEL

Witness:

Sharon Davino

Sandy Hon

24 Oct 2012

OCT. 24, 2012

ACKNOWLEDGMENT

State of California
County of San Mateo)

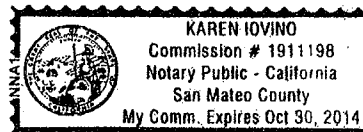
On October 19, 2012 before me, Karen Iovino, Notary Public
(insert name and title of the officer)

personally appeared Dimitrios Stefanidis
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 Karen Iovino (Seal)



ACKNOWLEDGMENT

State of California
County of San Mateo

On October 24, 2012 before me, Karen Iovino, Notary Public
(insert name and title of the officer)

personally appeared Reza Oliyai, Vahid Zia, Rowchanak Pakdaman, and Melissa Jean Casteel who proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons 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 Karen Iovino (Seal)

