### PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2905684

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARK SMITH	12/19/2011
FRANCISCO XAVIER TALAMAS	12/19/2011
JING ZHANG	12/19/2011
ZHUMING ZHANG	12/19/2011

#### **RECEIVING PARTY DATA**

Name:	HOFFMANN-LA ROCHE INC.
Street Address:	340 KINGSLAND STREET
City:	NUTLEY
State/Country:	NEW JERSEY
Postal Code:	07110

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14366189

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	111890-83856 (30771 US1)	
NAME OF SUBMITTER:	ESTELLE J. TSEVDOS	
SIGNATURE:	/Estelle J. Tsevdos/	
DATE SIGNED:	06/19/2014	

**Total Attachments: 2** 

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> **PATENT REEL: 033140 FRAME: 0575** 502859087

## ASSIGNMENT

WHEREAS, WE, Mark Smith, Francisco Xavier Talamas, Jing Zhang and Zhuming Zhang (Assignors) have invented one or more new and useful inventions, described and claimed in application for United States Patent and identified as Case Docket No. 30771 US, entitled

# 4'-AZIDO, 3'-FLUORO SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF HCV RNA REPLICATION

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 Case Docket No. 30771 US 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, 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.

PATENT REEL: 033140 FRAME: 0576 IN WITNESS WHEREOF we sign as follows:

Date: 12/19/201	Sign:Mark Smith
In the presence of:	
Sign: Bitypen Hedenus	·
Print Name: BETTYANN HEDEMUS	
Date:	Sign: Francisco Xavier Talamas
In the presence of:	
Sign: Bettyper Ledemus	<del></del>
Print Name: BETTYANN HEDEMUS	<del></del>
	4
Date: 12/19/ 2011	Sign: Jing Zhang
In the presence of:	
Sign: Settigen Sedemus  BETTYANN HEDEMUS	·
Print Name:	Sign: Zhuming Zhang
In the presence of:	
Sign: Settyran Hedemur	
Print Name: BETTYANN HEDEMUS	
522628	

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