503401299 07/21/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3447933

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VENKAT GADHACHANDA	07/21/2015
AKIHIRO HASHIMOTO	07/21/2015
AVINASH PHADKE	07/21/2015

RECEIVING PARTY DATA

Name:	ACHILLION PHARMACEUTICALS, INC.		
Street Address:	300 GEORGE STREET		
City:	NEW HAVEN		
State/Country:	CONNECTICUT		
Postal Code:	06511		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14803234	

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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.

Phone: 8602862929

Email: cRomanello@CantorColburn.Com

Correspondent Name: CANTOR COLBURN LLP Address Line 1: 20 CHURCH STREET

Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	API0082USD	
NAME OF SUBMITTER:	BMITTER: LESLIE-ANNE MAXWELL (REG NO. 44,778)	
SIGNATURE:	/Leslie-Anne Maxwell/	
DATE SIGNED:	07/21/2015	

Total Attachments: 3

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PATENT REEL: 036144 FRAME: 0961

503401299

Reference No: API0082USD

DECLARATION AND ASSIGNMENT

Title of Invention: NOVEL PROCESS FOR PRODUCING SOVAPREVIR

As a below named inventor, I hereby declare that:

This declaration is directed to:

[X] The attached application (Attorney Docket Number API0082US) which claims priority to:

[X] U.S. Patent Application Number 14/211,510 filed on March 14, 2014 which claims priority to:

[X] Provisional Patent application number 61/784,182 filed on March 14, 2013.

The above-identified application was made or authorized to be made by me, and I have reviewed and understand the contents of the application, including the claims.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the "APPLICATION");

Whereas, <u>ACHILLION PHARMACEUTICALS</u>, INC., a corporation, established in the State/Country of <u>Delaware</u>, with an office at <u>300 George Street</u>, New Haven, CT 06511, USA (herein referred to as "ASSIGNEE"), desires to acquire or has acquired, and each undersigned inventor acknowledges the obligation to assign to ASSIGNEE, and the parties desire to use this Declaration and Assignment to memorialize the grant to ASSIGNEE of the entire worldwide right, title, and interest in and to the INVENTION including all embodiments thereof, and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to as "ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

Each undersigned inventor also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Declaration and Assignment any further identification of the APPLICATION (including, but not limited to, patent Application Number and filing date, and Attorney Docket Number), and further grants ASSIGNEE, its successors, legal representatives, and assigns the right to execute confirmatory assignments on their behalf

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name:	Orlan	Date:	07/21/2015	
1 (111110)	Venkat Gadhachanda		\sim $^{\circ}$	
4	n.Zm	Date: 4/21/15	las Cuelt	Date: 73115
Witness	s: Printed and Signed LEGA		Witness: Printed and Signed LE	EGAL Name ' '

Page 3 of 3

PATENT REEL: 036144 FRAME: 0962 Reference No: API0082USD

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Page 2 of 2

Akihiro Hashimoto

Witness: Printed and Signed LEGAL Name

Printed and Signed LEGAL Name

REEL: 036144 FRAME: 0963

Reference No: API0082USD

DECLARATION AND ASSIGNMENT

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Name: Manash Phadke

Avinash Phadke

Date: 72115

Date: 72115

Witness: Printed and Signed LEGAL Name

Date: 72115

Witness: Printed and Signed LEGAL Name

Page 1 of 1

PATENT REEL: 036144 FRAME: 0964

RECORDED: 07/21/2015