

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT2857717

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CONSTANTINE G. BOOJAMRA	09/05/2007
KUEI-YING LIN	09/06/2007
RICHARD L. MACKMAN	09/05/2007
DAVID Y. MARKEVITCH	06/27/2007
OLEG V. PETRAKOVSKY	08/31/2007
ADRIAN S. RAY	09/05/2007
LIJUN ZHANG	09/05/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GILEAD SCIENCES, INC.
<b>Street Address:</b>	333 LAKESIDE DRIVE
<b>City:</b>	FOSTER CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94404
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14178237
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)522-5575
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	650-522-4284
<b>Email:</b>	Lisa.Naranjo@gilead.com
<b>Correspondent Name:</b>	GILEAD SCIENCES, INC.
<b>Address Line 1:</b>	333 LAKESIDE DRIVE
<b>Address Line 4:</b>	FOSTER CITY, CALIFORNIA 94404
<b>ATTORNEY DOCKET NUMBER:</b>	627.PF2USDC
<b>NAME OF SUBMITTER:</b>	MARY J. EDWARDS
<b>SIGNATURE:</b>	/Mary J. Edwards, Reg. No. 55,140/
<b>DATE SIGNED:</b>	05/15/2014
<b>Total Attachments: 8</b>	

PATENT

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## ASSIGNMENT

WHEREAS, We, Constantine G. Boojamra, residing at 1 Worth Street, San Francisco, California 94114, and Kuei-Ying Lin, residing at 1441 Ramon Drive, Sunnyvale, California 94087, and Richard L. Mackman, residing at 360 Ashton Avenue, Millbrae, California 94030, and David Y. Markevitch, residing at 10930 Ashton Avenue, Apt. 404, Los Angeles, California 90024, and Oleg V. Petrakovsky, residing at 1301 Palos Verdes, Apt. 6, San Mateo, California 94403, and Adrian S. Ray, residing at 19 Pilot Circle, Redwood City, California 94065, and Lijun Zhang, residing at 12525 Minorca Ct., Los Altos Hills, California 94022, and made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States which application was assigned U.S. Patent application number 11/658,628 and the international filing date of July 27, 2005 and is entitled ANTIVIRAL COMPOUNDS.

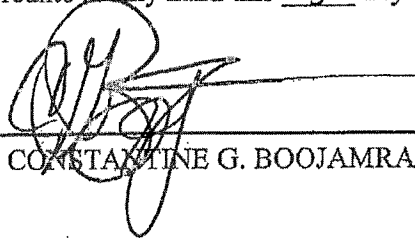
AND WHEREAS, GILEAD SCIENCES, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 333 Lakeside Drive, Foster City, CA 94404 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of September,  
2007.



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CONSTANTINE G. BOOJAMRA

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_,  
2007.

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KUEI-YING LIN

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of September  
2007.



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RICHARD L. MACKMAN

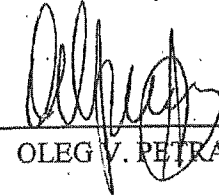
IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of June,  
2007.



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DAVID Y. MARKEVITCH

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31<sup>st</sup> day of August  
2007.



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OLEG V. PETRAKOVSKY

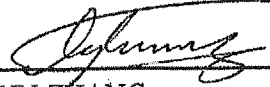
IN TESTIMONY WHEREOF, I have hereunto set my hand this 5<sup>th</sup> day of September  
2007.



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ADRIAN S. RAY

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of 9,  
2007.



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LIJUN ZHANG

## ASSIGNMENT

WHEREAS, We, Constantine G. Boojamra, residing at 1 Worth Street, San Francisco, California 94114, and Kuei-Ying Lin, residing at 1441 Ramon Drive, Sunnyvale, California 94087, and Richard L. Mackman, residing at 360 Ashton Avenue, Millbrae, California 94030, and David Y. Markevitch, residing at 10930 Ashton Avenue, Apt. 404, Los Angeles, California 90024, and Oleg V. Petrakovsky, residing at 1301 Palos Verdes, Apt. 6, San Mateo, California 94403, and Adrian S. Ray, residing at 19 Pilot Circle, Redwood City, California 94065, and Lijun Zhang, residing at 12525 Minorca Ct., Los Altos Hills, California 94022, and made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States which application was assigned U.S. Patent application number 11/658,628 and the international filing date of July 27, 2005 and is entitled ANTIVIRAL COMPOUNDS.

AND WHEREAS, GILEAD SCIENCES, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 333 Lakeside Drive, Foster City, CA 94404 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.



IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_,  
2007.

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CONSTANTINE G. BOOJAMRA

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6th day of Sept.,  
2007.



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KUEI-YING LIN

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_,  
2007.

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RICHARD L. MACKMAN

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_,  
2007.

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DAVID Y. MARKEVITCH

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_,  
2007.

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OLEG V. PETRAKOVSKY

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_,  
2007.

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ADRIAN S. RAY

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_,  
2007.

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LIJUN ZHANG