## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Shomir Ghosh	07/28/2009

## **RECEIVING PARTY DATA**

Name:	EPIX DELAWARE, INC.
Street Address:	Four Maguire Road
City:	Lexington
State/Country:	MASSACHUSETTS
Postal Code:	02421

# PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	61029074
PCT Number:	US0934018

### **CORRESPONDENCE DATA**

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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ATTORNEY DOCKET NUMBER:	MICRODOSE/EPIX 31 PCT
NAME OF SUBMITTER:	Norman P. Soloway

Total Attachments: 4

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#### ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 28<sup>th</sup> day of JULY, 2009, by Shomir Ghosh (hereinafter referred to as Assignor), residing at 134 Sewall Avenue, Brookline, Massachusetts 02446;

WHEREAS, Assignor has invented certain new and useful improvements in MBTHODS OF MAKING NUCLEOSIDE TETRAPHOSPHATE ANALOGS, set forth in a Patent application for Letters Patent, already filed on February 13, 2009 as International Patent Application No. PCT/US2009/034018, claiming priority to United States Patent Application No. 61/029,074, filed on February 15, 2008; and

WHEREAS, EPIX Delaware, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at Four Maguire Road, Lexington, Massachusetts 02421 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent, and in and to any Letters Patent to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and any right, title and interest Assignor may have in provisional applications to which said application claims priority (including U.S. Patent Application Serial No. 61/029,074, filed on February 15, 2008), and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as

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PATENT REEL: 023989 FRAME: 0467 fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is a lawful owner of a right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth,

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignce, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

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# GOODWIN PROCTER LLP

All practitioners at Customer Number 051414

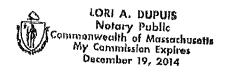
AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

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	Showin Chorl
	Shomir Ghosh
Date: Ju/428, 2009	
United States of America ) State of MassachuseH5 ) ss County of Mideflesex	.:
On this 25th day of July personally came Shomir Chosh described in and who executed the foregoing instr	, to me known to be the individual nument, and acknowledged execution
of the same.	Roj a Aupurb



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**RECORDED: 02/25/2010** 

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