PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Susan Catalano	07/07/2007
John McLaughlin	05/16/2007

RECEIVING PARTY DATA

Name:	Rigel Pharmaceuticals, Inc.
Street Address:	1180 Veterans Boulevard
City:	South San Francisco
State/Country:	CALIFORNIA
Postal Code:	94080

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13219506

CORRESPONDENCE DATA

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Mail.

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Address Line 4: East Palo Alto, CALIFORNIA 94303

ATTORNEY DOCKET NUMBER: RIGL-043CON

NAME OF SUBMITTER: James S. Keddie

Total Attachments: 3

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PATENT REEL: 027088 FRAME: 0688

ASSIGNMENT OF APPLICATION (JOINT)

Atty Docket No. RIGL-043CIP

THIS ASSIGNMENT, by SUSAN CATALANO and JOHN McLAUGHLIN; (hereinafter referred to as the assignors), residing in Hayward, California and Stanford, California, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"SYSTEM AND METHOD FOR HIGH-CONTENT ONCOLOGY ASSAY"

<u>X</u>	filed on March 20, 2007 as U.S. Application Serial No. or PCT International Application No. 11/726,396
	designating the United States.
	for which an application for a United States Patent was executed on, and

WHEREAS, Rigel Pharmaceuticals, Inc. a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 1180 Veterans Boulevard, South San Francisco, California 94080 (hereinafter referred to as the assignee) is desirous of acquiring their right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of their right, title and interest in and to the abovementioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, 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 Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

> **PATENT REEL: 027088 FRAME: 0689**

Atty. Docket No. RIGL-043CIP USSN: 11/726,396

7/1/07	Ausa Calatin
Date	Susan Catalano
STATE OF CALIFORNIA)	
COUNTY OF <u>ALAMEDA</u>)	
On JULY 7, 2007 before me, FELIDE L. SUMAGA appeared Susan Catalano, personally known to me (to be the person whose name is subscribed to the wiexecuted the same in her authorized capacity, and the entity upon behalf of which the person acted, ex	at by her signature on the instrument the person, or
WITNESS my hand and official seal.	(Seal)
Signature of Notary Public Print Name: FELIPE L. SUMAGAYSAY My Commission Expires: JUNE 16, 2009	FELIPE L. SUMAGAYSAY Commission # 1587749 Notary Public - California Alameda County My Comm. Expires Jun 16, 2009
Date	John McLaughlin
STATE OF CALIFORNIA)	
COUNTY OF SAN MATEO)	
On before me, appeared John McLaughlin , personally known to nevidence) to be the person whose name is subscribed that he executed the same in his authorized capacity person, or the entity upon behalf of which the person	, and that by his signature on the instrument the
WITNESS my hand and official seal.	(Seal)
Signature of Notary Public Print Name: My Commission Expires:	

Atty. Docket No. RIGL-043CIP USSN: 11/726,396

Date	Susan Catalano
STATE OF CALIFORNIA)	•
COUNTY OF) ss.	
to be the person whose name is subscribed t	(here insert name and title of the officer), personally in to me (or proved to me on the basis of satisfactory evidence) to the within instrument and acknowledged to me that she say, and that by her signature on the instrument the person, or acted, executed the instrument.
WITNESS my hand and official seal.	(Seal)
Signature of Notary Public Print Name: My Commission Expires:	
16 MAY 2007	John McLaughlin
STATE OF CALIFORNIA)) ss. COUNTY OF SAN MATEO)	
appeared John McLaughlin , personally kno evidence) to be the person whose name is su	Chere insert name and title of the officer), personally own to me (or proved to me on the basis of satisfactory abscribed to the within instrument and acknowledged to me capacity, and that by his signature on the instrument the me person acted, executed the instrument.
WITNESS my hand and official seal. Signature of Notary Public Print Name: WILL LAWN LOCK My Commission Expires: Doc 23 2010	JENNEE A. LALANNE DEVORE Commission # 1712465 Notary Public - California San Mateo County MyComm. Expres Dec 23, 2010

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PATENT REEL: 027088 FRAME: 0691

RECORDED: 10/19/2011