### PATENT ASSIGNMENT

Electronic Version v08 Stylesheet Version v02

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT OF ASSIGNOR'S INTEREST

#### **CONVEYING PARTY DATA**

Name	Execution Date	
JAMES B. LORENS	2005-06-07	
TODD R. PRAY	2005-06-06	
TODD M. KINSELLA	2005-05-27	
MARK K. BENNETT	2005-06-20	

#### **RECEIVING PARTY DATA**

Name	Street Address	Internal Address	City	State/Country	Postal Code
RIGEL PHARMACEUTICALS, INC.	1180 Veterans Blvd.		South San Francisco	CALIFORNIA	94080

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number	11069642	

#### **CORRESPONDENCE DATA**

FAX NUMBER: 6503273231

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

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the

official record on file at the USPTO. CUSTOMER NUMBER: 024353

NAME OF PERSON SIGNING:	James S. Keddie
DATE SIGNED:	2005-10-25

Total Attachments: 4 source=Assign1.tif source=Assign2.tif source=Assign3.tif source=Assign4.tif

> PATENT REEL: 016690 FRAME: 0317

800021866

Atty Docket No. RIGL-022CIP3

THIS ASSIGNMENT, by LORENS, JAMES B., PRAY, TODD, KINSELLA, TODD M., and BENNETT, MARK K. (hereinafter referred to as the assignors), residing in Bønes, Norway, San Francisco, California, Redwood City, California, and Moraga, California respectively, witnesseth:

	WHERE.	AS, the said assigr	nors have invented ce	ertain new and useful improvements in:
	"IN VIV	O PRODUCTION	OF CYCLIC PEPTII	DES FOR INHIBITING PROTEIN-PROTEIN INTERACTION"
		filed on February United States.	28, 2005 as U.S. App	olication Serial No. or PCT International Application No. 11/069,642 designating the
			ication for a United S	States Patent was executed on, and
having its assignee) the United which is he transfer at above-me and all for continuation and behall Letters Pathis sale a representation of the entitle.	s principa is desiron d States, a NOW The hereby ac nd set overtioned in reign courtions-in-prinal Convertional formal the attent or Principal and assign AND for attives and cire right,	I place of business us of acquiring the and in and to any I IEREFORE, in conknowledged, said er, unto the assign nvention, applicate antion for the Protuse and behalf of atents may be grantened assigns, that, at the same consider title and interest in	s at 1180 Veterans Blace entire right, title and Letters Patent or Paternsideration of One Doassignors have sold, age, its successors, legation for Letters Patent be granted therefor articlor, or reissues or extection of Industrial Pated, as fully and entired, as fully and entired, as fully and entired, as fully and entired and to said invention and to said invention	pration duly organized under and pursuant to the laws of Delaware, and lovd., South San Francisco, California 94080 (hereinafter referred to as the dinterest in and to said invention and said application for Letters Patent of ents, United States or foreign, to be obtained therefor and thereon: ollar (\$1.00) and other good and sufficient considerations, the receipt of assigned, transferred and set over, and by these presents do sell, assign, gal representatives and assigns, the entire right, title and interest in and to the tanda any and all Letters Patent or Patents in the United States of America and thereon, and in and to any and all divisions, continuations, and attensions of said Letters Patent or Patents, and all rights under the Property, the same to be held and enjoyed by said assignee, for its own use representatives and assigns, to the full end of the term or terms for which rely as the same would have been held and enjoyed by the assignors, had hereby covenant and agree to and with said assignee, its successors, legal and delivery of these presents, said assignors are the sole and lawful owners on and the application for Letters Patent above-mentioned, and that the same full right and lawful authority to sell and convey the same in the manner
representa representa or any pro and desira extension and do all invention	t forth.  AND for atives and occeeding able, or the of any L l acts neces, without	the same consider if assigns, that said if assigns, shall advance in connection with nat any division, conteres Patent, to be essary or required charge to said ass	ration, said assignors assignors will, when vise that any proceed in Letters Patent for sa ontinuation or continuation or continuation of the profignee, its successors,	hereby covenant and agree to and with said assignee, its successors, legal lever counsel of said assignee, or the counsel of its successors, legal ling in connection with said invention, or said application for Letters Patent, aid invention in any country, including interference proceedings, is lawful unation-in-part of any application for Letters Patent or any reissue or lawful and desirable, sign all papers and documents, take all lawful oaths, ocurement, maintenance, enforcement and defense of Letters Patent for said legal representatives and assigns, but at the cost and expense of said
	AND said	d assignors hereby	entatives and assigns. request the Commiss	sioner of Patents to issue said Letters Patent of the United States to said Patent to be ssued thereon for the sole use and behalf of said assignee, its
	s, legal re	epresentatives and		Patent to be issued thereoff for the sole use and behalf of said assigned, its
Date	unl	+,2005	Name of Inventor_	LORENS, JAMES B.
				LOADING, TANIES B.
Date			Name of Inventor <u>/</u>	PRAY, TODD
Date			Name of Inventor	KINSELLA, TODD M.
Date			Name of Inventor	BENNETT MARK K
				REDIDLE LE MANK K

**PATENT REEL: 016690 FRAME: 0318** 

Atty Docket No. RIGL-022CIP3

THIS ASSIGNMENT, by LORENS, JAMES B., PRAY, TODD, KINSELLA, TODD M., and BENNETT, MARK K. (hereinafter Cal

California respectively, witnesseth	•	san Francisco, California, Redwood City, California, and Moraga,
WHEREAS, the said assi	gnors have invented ce	ertain new and useful improvements in:
" <u>IN VIVO PRODUCTIO</u>	N OF CYCLIC PEPTI	DES FOR INHIBITING PROTEIN-PROTEIN INTERACTION"
United States.		States Patent was executed on, and
· · · · · · · · · · · · · · · · · · ·		
having its principal place of busine assignee) is desirous of acquiring the United States, and in and to any NOW THEREFORE, in or which is hereby acknowledged, sai transfer and set over, unto the assignabove-mentioned invention, applicand all foreign countries which macontinuations-in-part of said applicant International Convention for the Pland behalf and the use and behalf of Letters Patent or Patents may be grand this sale and assignment not been any AND for the same considerepresentatives and assigns, that, are of the entire right, title and interest are unencumbered and that said assherein set forth.  AND for the same considerepresentatives and assigns, that sare presentatives are presentatives and assigns and the presentatives and assigns are presentatives.	ss at 1180 Veterans Black entire right, title and y Letters Patent or Pater consideration of One D d assignors have sold, gnee, its successors, legation for Letters Patent y be granted therefor a cation, or reissues or extended therefor a cation, or reissues or extended the successors, legal anted, as fully and entimade.  Ileration, said assignors the time of execution in and to said inventions in and to said inventions in and to said inventions assignors will, where dvise that any proceed ith Letters Patent for successors, its entitle that any proceed ith Letters Patent for successors, its successo	oration duly organized under and pursuant to the laws of Delaware, and vd., South San Francisco, California 94080 (hereinafter referred to as the dinterest in and to said invention and said application for Letters Patent of ints, United States or foreign, to be obtained therefor and thereon: ollar (\$1.00) and other good and sufficient considerations, the receipt of assigned, transferred and set over, and by these presents do sell, assign, gal representatives and assigns, the entire right, title and interest in and to the it, and any and all Letters Patent or Patents in the United States of America and thereon, and in and to any and all divisions, continuations, and itensions of said Letters Patent or Patents, and all rights under the Property, the same to be held and enjoyed by said assignee, for its own use representatives and assigns, to the full end of the term or terms for which rely as the same would have been held and enjoyed by the assignors, had hereby covenant and agree to and with said assignee, its successors, legal and delivery of these presents, said assignors are the sole and lawful owners on and the application for Letters Patent above-mentioned, and that the same full right and lawful authority to sell and convey the same in the manner hereby covenant and agree to and with said assignee, its successors, legal ing in connection with said invention, or said application for Letters Patent, aid invention in any country, including interference proceedings, is lawful uation-in-part of any application for Letters Patent or any reissue or lawful and desirable, sign all papers and documents, take all lawful oaths, ocurement, maintenance, enforcement and defense of Letters Patent for said legal representatives and assigns, but at the cost and expense of said
	-	
Date		LORENS, JAMES B.
Date 6/6/05	Name of Inventor _	PRAY, TODD TODD R.
Date	Name of Inventor _	KINSELLA, TODD M.
Date	Name of Inventor _	BENNETT, MARK K.

**PATENT REEL: 016690 FRAME: 0319** 

Atty Docket No. RIGL-022CIP3

THIS ASSIGNMENT, by LORENS, JAMES B., PRAY, TODD, KINSELLA, TODD M., and BENNETT, MARK K. (hereinafter referred to as the assignors), residing in Bønes, Norway, San Francisco, California, Redwood City, California, and Moraga, California respectively, witnesseth:

W	WHEREAS, the said assignors have invented certain new and useful improvements in:						
<u>"I</u>	"IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR INHIBITING PROTEIN-PROTEIN INTERACTION"						
_>		plication Serial No. or PCT International Application No. 11/069,642 designating the					
_	United States. for which an application for a United	States Patent was executed on, and					
having its prassignee) is the United Second No. Which is her transfer and above-ment and all foreign continuation. International and behalf at Letters Pate this sale and Additional and behalf at Letters Pate this sale and Additional and behalf at Letters Pate this sale and Additional and behalf at the sale and Additional are unencur herein set for Additional are unencur herein set for any processing and desirable extension of and do all a invention, wassignee, it. A assignee as	orincipal place of business at 1180 Veterans Best desirous of acquiring the entire right, title and States, and in and to any Letters Patent or Pater OW THEREFORE, in consideration of One I bereby acknowledged, said assignors have sold at set over, unto the assignee, its successors, lettoned invention, application for Letters Pater beign countries which may be granted therefor all Convention for the Protection of Industrial and the use and behalf of its successors, legal ent or Patents may be granted, as fully and entire assignment not been made.  AND for the same consideration, said assignor ives and assigns, that, at the time of execution re right, title and interest in and to said inventions and assigns, that said assignors have good and forth.  AND for the same consideration, said assignor ives and assigns, that said assignors will, whenever and assigns, that said assignors will, whenever and assigns, shall advise that any proceed the control of any Letters Patent, to be obtained thereon, and assigns or required to be done for the power than the processors, legal representatives and assign assignors hereby request the Communication assigns as assignors hereby request the Communication assigns as assigned assignors hereby request the Communication assigns as assigned assignors hereby request the Communication assigns as assigned assigner as as assigned assigner as as assigner as assigner as as assigner as as as as a said assigner.	coration duly organized under and pursuant to the laws of Delaware, and blvd., South San Francisco, California 94080 (hereinafter referred to as the di interest in and to said invention and said application for Letters Patent of ents, United States or foreign, to be obtained therefor and thereon: Dollar (\$1.00) and other good and sufficient considerations, the receipt of assigned, transferred and set over, and by these presents do sell, assign, gal representatives and assigns, the entire right, title and interest in and to the it, and any and all Letters Patent or Patents in the United States of America and thereon, and in and to any and all divisions, continuations, and extensions of said Letters Patent or Patents, and all rights under the Property, the same to be held and enjoyed by said assignee, for its own use representatives and assigns, to the full end of the term or terms for which tirely as the same would have been held and enjoyed by the assignors, had as hereby covenant and agree to and with said assignee, its successors, legal and delivery of these presents, said assignors are the sole and lawful owners on and the application for Letters Patent above-mentioned, and that the same if full right and lawful authority to sell and convey the same in the manner as hereby covenant and agree to and with said assignee, its successors, legal ding in connection with said invention, or said application for Letters Patent, said invention in any country, including interference proceedings, is lawful nutation-in-part of any application for Letters Patent or any reissue or is lawful and desirable, sign all papers and documents, take all lawful oaths, or occurement, maintenance, enforcement and defense of Letters Patent for said is lawful and desirable is successed assigns, but at the cost and expense of said solves of the said assignee, its					
Date	Name of Inventor	LORENS, JAMES B.					
		PRAY, TODD					
Date 5.	Name of Inventor	KINSELLA, TODD M.					
Date	Name of Inventor	BENNETT, MARK K.					

Atty Docket No. RIGL-022CIP3

THIS ASSIGNMENT, by LORENS, JAMES B., PRAY, TODD, KINSELLA, TODD M., and BENNETT, MARK K. (hereinafter referred to as the assignors), residing in Bønes, Norway, San Francisco, California, Redwood City, California, and Moraga, California respectively, witnesseth:

California respectively, witnesseth:						
WHERE	WHEREAS, the said assignors have invented certain new and useful improvements in:					
"IN VIV	"IN VIVO PRODUCTION OF CYCLIC PEPTIDES FOR INHIBITING PROTEIN-PROTEIN INTERACTION"					
<u> </u>	filed on February United States.	28, 2005 as U.S. Appl	lication Serial No. or PCT International Application No	. <u>11/069,642</u> designating the		
_		cation for a United S	tates Patent was executed on, and			
having its princip assignee) is desire the United States, NOW T which is hereby a transfer and set or above-mentioned and all foreign co continuations-in-International Con and behalf and th Letters Patent or this sale and assignate and assignate unencumbere herein set forth.  AND for representatives are of the entire right are unencumbere herein set forth.  AND for representatives are or any proceeding and desirable, or extension of any and do all acts ne invention, without assignee, its successing as the assignee as the	al place of business ous of acquiring the and in and to any I HEREFORE, in concknowledged, said ever, unto the assignation invention, application application for the Prote use and behalf of Patents may be grant of said applicativention for the Prote use and behalf of Patents may be grant of same considered assigns, that, at the same considered assigns, that said and that said assigns, that said and that said assigns, that said and assigns, shall adverse in connection with that any division, concerned assigns, the same considered assigns, that said assigns, shall adverse Patent, to be accessary or required at charge to said assigns, legal represent assigns, legal represent assigns, services as a said assigns, services as a said assigns, legal represent assigns, legal represent assigns, services as a said assigns, services as a said assigns, legal represent as a said assigns, services as a said assigns, legal represent as a said	at 1180 Veterans Bleentire right, title and Letters Patent or Paternsideration of One Doassignors have sold, aree, its successors, legation, or reissues or extection of Industrial Paternside, as fully and entired, and to said invention, and to said invention, and to said invention, assignors will, when wise that any proceeding Letters Patent for sa continuation or conti	ration duly organized under and pursuant to the vd., South San Francisco, California 94080 (here interest in and to said invention and said applicants, United States or foreign, to be obtained there ollar (\$1.00) and other good and sufficient considerations of the said representatives and assigns, the entire right, ting, and any and all Letters Patent or Patents in the end thereon, and in and to any and all divisions, of tensions of said Letters Patent or Patents, and all Property, the same to be held and enjoyed by said representatives and assigns, to the full end of the rely as the same would have been held and enjoy thereby covenant and agree to and with said assignand delivery of these presents, said assignors are in and the application for Letters Patent above-m full right and lawful authority to sell and convey thereby covenant and agree to and with said assigner or counsel of said assignee, or the counsel of ing in connection with said invention, or said applied invention in any country, including interferent untion-in-part of any application for Letters Patent lawful and desirable, sign all papers and docum ocurement, maintenance, enforcement and defendegal representatives and assigns, but at the cost sioner of Patents to issue said Letters Patent of the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to be issued thereon for the sole use and the Patent to the Patent to be issued thereon for the sole use and the Patent to th	sinafter referred to as the ation for Letters Patent of efor and thereon: derations, the receipt of presents do sell, assign, the and interest in and to the United States of America continuations, and rights under the lassignee, for its own use term or terms for which red by the assignors, had gnee, its successors, legal the sole and lawful owners entioned, and that the same the same in the manner gnee, its successors, legal blication for Letters Patent, ce proceedings, is lawful int or any reissue or ents, take all lawful oaths, se of Letters Patent for said and expense of said the United States to said		
Date				·		
			LORENS, JAMES B.			
Date		Name of Inventor	PRAY, TODD			
Date		Name of Inventor _	KINSELLA, TODD M.			
Date June 2	0, 2005	Name of Inventor _	Mont K. Brown BENNETT, MARK K.			

**RECORDED: 10/26/2005** 

PATENT REEL: 016690 FRAME: 0321