## US0410399

# CH \$880.00

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: SECURITY AGREEMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Semafore Pharmaceuticals, Inc.	02/27/2009

#### **RECEIVING PARTY DATA**

Name:	Park Funding, LLC
Street Address:	7653 Park Drive
City:	St. Louis
State/Country:	MISSOURI
Postal Code:	63117

#### PROPERTY NUMBERS Total: 22

Property Type	Number
PCT Number:	US0410399
Patent Number:	6949537
Application Number:	11111201
Patent Number:	7396828
Application Number:	11962612
Application Number:	61031308
Application Number:	61044780
PCT Number:	US0935148
Application Number:	10599748
Application Number:	61023320
Application Number:	61110745
PCT Number:	US0931864
Application Number:	61146747
Application Number:	61146780
Application Number:	10573938

Application Number:	10817622
Application Number:	12183813
Application Number:	10817728
Application Number:	12181963
PCT Number:	US0410286
PCT Number:	US0410285
PCT Number:	US0511626

#### **CORRESPONDENCE DATA**

Fax Number: (314)259-2020

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

Email: ncollora@bryancave.com

Correspondent Name: Daniel A. Crowe

Address Line 1: 211 North Broadway, Ste 3600
Address Line 4: St. Louis, MISSOURI 63102

ATTORNEY DOCKET NUMBER:	0190032
NAME OF SUBMITTER:	Daniel A. Crowe

#### **Total Attachments: 11**

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#### PATENT SECURITY AGREEMENT

THIS PATENT SECURITY AGREEMENT ("Agreement") is made as of February 27, 2009, by SEMAFORE PHARMACEUTICALS, INC., an Indiana corporation ("Grantor"), in favor of Park Funding, LLC, a Missouri limited liability company (the "Agent"), for its benefit and the ratable benefit of each Lender under that certain Credit and Security Agreement dated as of this date by and among the Grantor, the Agent and the lenders specified therein.

#### **WITNESSETH:**

WHEREAS, Grantor, the Agent and the Lenders are parties to that certain Credit and Security Agreement dated as of this date (as the same may hereafter be modified, amended, restated or supplemented from time to time, the "Credit Agreement");

WHEREAS, pursuant to the terms of the Credit Agreement, the Lenders have requested that the Grantor execute and deliver this Agreement in order to further secure the prompt and complete payment, observance and performance of all of the Obligations (as defined in the Credit Agreement) of Grantor;

NOW, THEREFORE, in consideration of the premises set forth herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor agrees as follows:

- 1. <u>Defined Terms</u>. Unless otherwise defined herein, each capitalized term used herein that is defined in the Credit Agreement shall have the meaning specified for such term in the Credit Agreement.
- 1. <u>Incorporation of Premises.</u> The premises set forth above are incorporated into this Agreement by this reference thereto and are made a part hereof.
- 3. <u>Grant of Security Interest</u>. For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, to secure all of the Obligations, the Grantor does hereby mortgage, pledge and hypothecate to the Agent, as agent for the Lenders, and grants to the Agent, as agent for the Lenders, a security interest in, for its benefit and the benefit of the Lenders, all of the following property (the "Patent Collateral"), whether now owned or hereafter acquired or existing:
  - (a) all letters patent and applications for letters patent throughout the world, including all patent applications in preparation for filing anywhere in the world and including each patent and patent application referred to in <u>Schedule A</u> attached hereto;
  - (b) all patent licenses, including each patent license referred to in <u>Schedule A</u> attached hereto;
  - (c) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the items described in the foregoing <u>clauses (a)</u> and (b); and

- (d) all proceeds of, and rights associated with, the foregoing (including license royalties and proceeds of infringement sits), the right to sue third parties for past, present or future infringements of any patent or patent application, including any patent application referred to in <u>Schedule A</u> attached hereto, and for breach or enforcement of any patent license, including any patent license referred to in <u>Schedule A</u> attached hereto, and all rights corresponding thereto throughout the world.
- 4. <u>Security Agreement</u>. This Agreement has been executed and delivered by the Grantor for the purpose of registering the security interest of the Agent in the Patent Collateral with the United States Patent and Trademark Office and corresponding offices in other countries of the world. The security interest granted hereby has been granted as a supplement to, and not in limitation of, the security interest granted to the Agent, as agent for the Lenders under the Credit Agreement. The Credit Agreement (and all rights and remedies of the Agent and the Lender thereunder) shall remain in full force and effect in accordance with its terms.
- 5. Release of Security Interest. Upon the payment in full of all Obligations (other than indemnification obligations as to which no claim has been asserted), the Agent shall, at the Grantor's expense, execute and deliver to the Grantor all instruments and other documents as may be necessary or proper to release the lien on and security interest in the Patent Collateral which has been granted hereunder.
- 6. <u>Acknowledgement</u>. The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Agent with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Credit Agreement, and terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. This Agreement is executed pursuant to the Credit Agreement and shall (unless otherwise expressly indicated herein) be construed, administered and applied in accordance with the terms and provisions of the Credit Agreement.
- 7. <u>Waivers</u>. The Agent's failure, at any time or times hereafter, to require strict performance by Grantor of any provision of this Agreement shall not waive, affect or diminish any right of the Agent thereafter to demand strict compliance and performance therewith nor shall any course of dealing between Grantor and the Agent have such effect. No single or partial exercise of any right hereunder shall preclude any other or further exercise thereof or the exercise of any other right. None of the undertakings, agreements, warranties, covenants and representations of Grantor contained in this Agreement shall be deemed to have been suspended or waived by the Agent unless such suspension or waiver is in writing signed by an officer of the Agent and directed to Grantor specifying such suspension or waiver.
- 9. <u>Severability.</u> Whenever possible, each provision of this Agreement shall be interpreted in such manner as to be effective and valid under applicable law, but the provisions of this Agreement are severable, and if any clause or provision shall be held invalid and unenforceable in whole or in part in any jurisdiction, then such invalidity or unenforceability shall affect only such clause or provision, or part hereof, in such jurisdiction, and shall not in any manner affect such clause or provision in any other jurisdiction, or any other clause or provision of this Agreement in any jurisdiction.

- 10. <u>Modification</u>. This Agreement cannot be altered, amended or modified in any way, except by a writing signed by the parties hereto.
- 11. <u>Successors and Assigns.</u> This Agreement shall be binding upon Grantor and its successors and assigns, and shall inure to the benefit of the Agent, as agent for the Lenders and their respective nominees, successors and permitted assigns. Grantor's successors and assigns shall include, without limitation, a receiver, trustee or debtor-in-possession of or for Grantor; <u>provided, however</u>, that Grantor shall not voluntarily assign or transfer its rights or obligations hereunder without the Agent's prior written consent.
- 12. <u>Governing Law.</u> This Agreement shall be construed and enforced and the rights and duties of the parties shall be governed by in all respects in accordance with the internal laws (as opposed to conflict of laws provisions) and decisions of the State of Indiana.
- 13. <u>Notices.</u> All notices or other communications hereunder shall be given in the manner and to the addresses set forth in the Loan Agreement.
- 14. <u>Section Titles.</u> The section titles herein are for convenience of reference only, and shall not affect in any way the interpretation of any of the provisions hereof.
- 15. <u>Execution in Counterparts.</u> This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

SEMAFORE PHARMACEUTICALS, INC.
By:
Name: John S. Sima Title: President and Chief Operating Officer
The. Tresident and enter operating officer
PARK FUNDING, LLC, as Agent for benefit of the Lenders under the Credit Agreement
By:
Chris Garlich, Managing Member

- 10. <u>Modification.</u> This Agreement cannot be altered, amended or modified in any way, except by a writing signed by the parties hereto.
- 11. <u>Successors and Assigns.</u> This Agreement shall be binding upon Grantor and its successors and assigns, and shall inure to the benefit of the Agent, as agent for the Lenders and their respective nominees, successors and permitted assigns. Grantor's successors and assigns shall include, without limitation, a receiver, trustee or debtor-in-possession of or for Grantor; provided, however, that Grantor shall not voluntarily assign or transfer its rights or obligations hereunder without the Agent's prior written consent.
- 12. <u>Governing Law.</u> This Agreement shall be construed and enforced and the rights and duties of the parties shall be governed by in all respects in accordance with the internal laws (as opposed to conflict of laws provisions) and decisions of the State of Indiana.
- 13. <u>Notices.</u> All notices or other communications hereunder shall be given in the manner and to the addresses set forth in the Loan Agreement.
- 14. <u>Section Titles.</u> The section titles herein are for convenience of reference only, and shall not affect in any way the interpretation of any of the provisions hereof.
- 15. <u>Execution in Counterparts.</u> This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

SEMAFORE PHARMACEUTICALS, INC.

Chris Garlich, Managing Member

Ву:	
Name:	John S. Sima
Title:	President and Chief Operating Officer
Park I	FUNDING, LLC, as Agent for benefit of the Lenders under
the Cre	dit Agreement
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### **ACKNOWLEDGMENT**

STATE OF INDIANA	)
	) SS
COUNTY OF MARION	)

Before me, a Notary Public in and for the State of Indiana, personally appeared John S. Sima, President and Chief Operating Officer of Semafore Pharmaceuticals, Inc., an Indiana corporation, who, first being duly sworn, acknowledged the execution of the foregoing instrument for and on behalf of said corporation as its duly authorized officer.

WITNESS my hand and Notarial Seal this 21 day of February, 2009.

Tamara Nelson

Tamara Nelson

Printed

I am a resident of Hamilton County, IN My commission expires:

Anuary 20, 2017



## ACKNOWLEDGMENT

STATE OF /(LINELLE )
STATE OF (St. Louis )  COUNTY OF St. Louis )
Before me, a Notary Public in and for the State of, personally appeared Chris Garlich, the Managing Member of Park Funding, LLC who, first being duly sworn, acknowledged the execution of the foregoing instrument as collateral agent for the Lenders under that certain Credit and Security Agreement dated as of February
WITNESS my hand and Notarial Seal this 27th day of February, 2009.
Susand Hitesu Notary Public SUSAN M. FLETCHER Printed
SUSAN M. FLETCHER Printed
I am a resident of  County, Indiana
My commission expires:

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## A. SF1126

Title	Patent/Appn No. Issue/Filing Date	Country
Treatment of Cancer with PI3	US 60/536,041	US
Kinase Inhibitors	Filed: 1/13/2004	
PI-3 kinase inhibitors	US 60/502,140	US
	Filed: 9/11/2003	
Av Ingegrin Targeted PI3 Kinase	US 60/511,590	US
Inhibitors Induce P53 Transcription	Filed: 10/15/2003	
and Apoptosis in Endothelial Cells		
PI-3 kinase inhibitor prodrugs	PCT/US2004/010399; Filed 4/3/2004	Int'l
PI-3 kinase inhibitor prodrugs	US 6,949,537;	US
	Filed: 4/5/2004	
	Granted: 9/27/2005	
PI-3 kinase inhibitor prodrugs	US11/111,201	US
	Filed 4/20/2005	
PI-3 kinase inhibitor prodrugs	US 7,396,828	US
11-3 kinase initiotion produces	Filed: 4/20/2005	OB
	Granted: 7/8/2008	
PI-3 kinase inhibitor prodrugs	US 11/962,612	US
11 5 mmase mmonor processings	Filed: 12/21/2007	2.2
	LIG (1/021 200	TTC
O-alkylated PI-3 kinase inhibitor	US 61/031,308	US
prodrugs	Filed: 2/25/2008	
O-alkylated PI-3 kinase inhibitor	US 61/044,780	US
prodrug combination	Filed: 4/14/2008	
PI-3 kinase inhibitor prodrugs	EP 4758869.4	Europe
T I I I I I I I I I I I I I I I I I I I	Filed: 10/5/2005	1
DI 2 1: 1:1:, 1	2519016	Canada
PI-3 kinase inhibitor prodrugs	2518916	Canada
	Filed: 9/12/2005	
PI-3 kinase inhibitor prodrugs	2006-509693	Japan

	Filed: 11/8/2005	
PI-3 kinase inhibitor prodrugs	4597/DELNP/2005 Filed: 10/10/2005	India
PI-3 kinase inhibitor prodrugs	AU2004228668 Filed: 9/15/2005	Australia
PI-3 kinase inhibitor prodrugs	2005/07954 Filed: 9/30/2005 Granted: 2/28/2007	South Africa
PI-3 kinase inhibitor prodrugs	120326 Filed: 4/3/2004 Granted: 10/31/2007	Singapore
PI-3 kinase inhibitor prodrugs	2007165442-2 Filed: 4/3/2004	Singapore
PI-3 kinase inhibitor prodrugs	PA/a/2005/010471 Filed: 9/29/2005	Mexico
PI-3 kinase inhibitor prodrugs	542475 Filed: 9/19/2005	New Zealand
PI-3 kinase inhibitor prodrugs	170906 Filed: 9/15/2005	Israel
PI-3 kinase inhibitor prodrugs	10-2005-7018781 Filed: 9/30/2005	South Korea
PI-3 kinase inhibitor prodrugs	PI0409063-2 Filed: 4/3/2004	Brazil
PI-3 kinase inhibitor prodrugs	200480009226.2 Filed: 4/3/2004	China
PI-3 kinase inhibitor prodrugs	200501563 Filed: 11/2/2005	Eurasia
O-Alkylated PI-3 Kinase Inhibitor Prodrug Combination	PCT/US09/35148 Filed: 2/25/2009	Int'l

## B. PTEN

Title	Patent/Appn No.	Country
	Issue/Filing Date	

PTEN Inhibitors and Compositions	US 60/460,290	US
for Therapeutic Utility in Treating	Filed: 4/30/2003	
Disease in mammals		
PTEN Inhibitors and Compositions	US 60/559,802	US
for Therapeutic Utility in Treating	Filed: 4/6/2004	
Disease in mammals		
PTEN Inhibitors	US 60/625,871	US
	Filed: 11/8/2004	
PTEN Inhibitors	PCT/US2005/011626	Int'l
	Filed: 4/6/2005	
PTEN inhibitors for sensitization of	Unknown Appn No	US
cancer cells	Docket 01656.0010.PZUS00	
	Filed: 7/20/2004	
PTEN Inhibitors	US 10/599,748	US
	Filed: 10/6/2006	
PTEN Inhibitors	EP 1755574	Europe
	Filed: 10/6/2006	
PTEN Inhibitors	CA 2,563,316	Canada
	Filed: 10/6/2006	
PTEN Inhibitors	JP 2007-507462	Japan

## C. Thienopyranones

Title	Patent/Appn No. Issue/Filing Date	Country
Thienopyranones as PI3 kinase	US 61/023320	US
inhibitors	Filed: 1/24/2008	
Thienopyranones as kinase	US 61/110745	US
inhibitors	Filed: 11/3/2008	
Thienopyranones as kinase	PCT/US09/31864	Int'l
inhibitors	Filed: 1/23/2009	
Novel heterocyclic compound classes	US 61/146,747	US
for signaling modulation	Filed: 1/23/2009	
Dual target inhibitors	US 61/146,780	US
	Filed: 1/23/2009	

## D. Other

Title	Patent/Appn No.	Country
	Issue/Filing Date	
Chelate based scaffolds in tumor	WO 2005/032599	Int'l
targeting	Filed: 9/30/2004	

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Chelate based scaffolds in tumor	US 10/573,938	US
targeting	Filed: 3/30/2006	
Targeted bone marrow protection	PCT/US2004/010286	Int'l
agents	Filed: 4/2/2004	
Targeted bone marrow protection	US 10/817,622	US
agents	Filed: 4/2/2004	
Targeted bone marrow protection	US 12/183,813	US
agents	Filed: 7/31/2008	
Bone targeting of degradable drug	PCT/US2004/010285	Int'l
filed nanoparticles	Filed: 4/2/2004	
Bone targeting of degradable drug	US 10/817,728	US
filed nanoparticles	Filed: 4/2/2004	
Bone targeting of degradable drug	US 12/181,963	US
filed nanoparticles	Filed: 7/31/2008	

## **II. In-Licensed Patents**

Title	Patent/Appn No.	Country
	Issue/Filing Date	Int'1
Compositions and methods for	PCT/US2001/017358	IIIL I
identifying agents which modulate	Filed: 5/30/2001	
PTEN function and PI-3 kinase		
pathways		
Compositions and methods for	US 6,777,439	US
identifying agents which modulate	Filed: 5/30/2001	
PTEN function and PI-3 kinase	Granted: 8/17/2004	
pathways		
Compositions and methods for	US 10/770,725	US
identifying agents which modulate	Filed: 2/3/2003	
PTEN function and PI-3 kinase		
pathways		
Compositions and methods for	US 7,470,721	US
identifying agents which modulate	Filed: 11/13/2003	
PTEN function and PI-3 kinase	Granted: 12/30/2008	
pathways		
Compositions and methods for	US 12/342,848	US
identifying agents which modulate	Filed: 12/23/2008	
PTEN function and PI-3 kinase		
pathways		
Compositions and methods for	EP 01939641.5	Europe
identifying agents which modulate	Filed: 10/5/2005	
PTEN function and PI-3 kinase		
pathways		

Compositions and methods for identifying agents which modulate	2410514 Filed: 4/3/2004	Canada
PTEN function and PI-3 kinase pathways		
Compositions and methods for	2001/1265137 Filed: 5/30/2001	Australia
identifying agents which modulate PTEN function and PI-3 kinase pathways	Granted: 9/26/2007	
Compositions and methods for identifying agents which modulate PTEN function and PI-3 kinase pathways	2007/216738 Filed: 9/12/2007	Australia

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**RECORDED: 05/29/2009** 

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