

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		SECURITY INTEREST	
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
KBI BIOPHARMA, INC.		10/31/2011	CORPORATION: DELAWARE
RECEIVING PARTY DATA			
Name:	SQUARE 1 BANK		
Street Address:	406 Blackwell Street		
Internal Address:	Suite 240		
City:	DURHAM		
State/Country:	NORTH CAROLINA		
Postal Code:	27701		
Entity Type:	CORPORATION: NORTH CAROLINA		
PROPERTY NUMBERS Total: 1			
Property Type	Number	Word Mark	
Registration Number:	3723384	KSEP	
CORRESPONDENCE DATA			
Fax Number:	(919)354-1278		
Phone:	919-314-3086		
Email:	loandocsdept@square1bank.com		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>			
Correspondent Name:	Square 1 Bank		
Address Line 1:	406 Blackwell Street		
Address Line 2:	Suite 240		
Address Line 4:	Durham, NORTH CAROLINA 27701		
NAME OF SUBMITTER:	Lee Conner		
Signature:	/leeconner-tkf/		
Date:	11/01/2011		

CH \$40.00 3723384

Total Attachments: 6

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of October 31, 2011 by and between SQUARE 1 BANK ("*Bank*") and KBI BIOPHARMA, INC., a Delaware corporation ("*Grantor*").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "*Loans*") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "*Loan Agreement*"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Bank is willing to extend and to continue to extend financial accommodations to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising between Bank and Grantor, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof (collectively, "*Intellectual Property Collateral*").

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and

concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

SIGNATURE PAGE FOLLOWS

square 1 bank

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

KBI BIOPHARMA, INC.

1101 Hamlin Road

By: *James Chaput*

Durham, NC 27704

Name: James Chaput

Title: CEO

BANK:

Address of Bank:

SQUARE 1 BANK

406 Blackwell Street, Suite 240
Durham, NC 27701
Attn: Loan Documentation Department

By: *Eva Travis*

Name: Eva Travis

Title: VBO



EXHIBIT A
COPYRIGHTS

Description	Registration Number	Registration Date
NONE		

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EXHIBIT B

PATENTS

<u>Description</u>	<u>Registration OR Serial Number</u>	<u>Registration OR Filing Date</u>
Methods and systems for manipulating particles using a fluidized bed	13/054276	5-12-2011
Methods and systems for manipulating particles using a fluidized bed	13/054292	5-12-2011
Centrifugal fermentation process	5622819	4-22-1997
Centrifugal fermentation process	5821116	10-13-1998
Centrifugal fermentation process	6133019	10-17-2000
Centrifugal fermentation process	6214617	4-10-2001
Methods and devices for remediation and fermentation	6660509	12-9-2003
Methods and devices for remediation and fermentation	6703217	3-9-2004
Biocatalyst chamber encapsulation system for bioremediation and fermentation	6916652	7-12-2005
Methods and compositions for chromatography	6942804	9-13-2005
Methods and compositions for chromatography	7347943	3-25-2008
Methods and compositions for chromatography	12/055159	3-25-2008



EXHIBIT C
TRADEMARKS

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
kSep	3723384	12-8-2009

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