PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4274333

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK W ESHOO	06/08/2015
JOHN PICURI	04/20/2015
STANLEY T MOTLEY	06/05/2015
CURTIS PHILLIPSON	04/15/2015

RECEIVING PARTY DATA

Name:	IBIS BIOSCIENCES, INC.	
Street Address:	2251 FARADAY AVE	
Internal Address:	SUITE 150	
City:	CARLSBAD	
State/Country:	CALIFORNIA	
Postal Code:	92008	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15362410	

CORRESPONDENCE DATA

Fax Number: (224)667-7052

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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MARZENA ENGER-MIKULSKI **Correspondent Name:** Address Line 1: 100 ABBOTT PARK ROAD DEPT 32MP, BLDG. AP6C-1 Address Line 2: Address Line 4: ABBOTT PARK, ILLINOIS 60064

ATTORNEY DOCKET NUMBER:	11226USD1
NAME OF SUBMITTER:	MARZENA ENGER-MIKULSKI
SIGNATURE:	/mem/
DATE SIGNED:	02/14/2017

Total Attachments: 5

PATENT REEL: 041254 FRAME: 0211

504227656

PATENT REEL: 041254 FRAME: 0212

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ASSIGNMENT

WHEREAS, Mark W. Eshoo of San Diego, CA 92130, John Picuri of Carlsbad, CA 92009, Stanley T.

Motley of Carlsbad, CA 92008, Curtis Phillipson of Carlsbad, CA 92008; hereinafter called the "Assignors",

have made the invention described in the United States patent application entitled "NUCLEIC ACID LIGATION

SYSTEMS AND METHODS", that has a U.S. Patent Application Serial Number of 14/369,641 and was filed on

December 28, 2012;

WHEREAS, Ibis Biosciences, Inc., a corporation organized and existing under the laws of Delaware,

having a place of business at 2251 Faraday Avenue, Suite 150, Carlsbad CA, hereinafter called the "Assignee",

desires to acquire the entire right, title and interest in and to the invention and to the patent application identified

above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the Assignors have

sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right,

title and interest for the United States and elsewhere in and to the invention and the patent application identified

above, and any patents that may issue for said invention in the United States and elsewhere; together with the

entire right, title and interest in and to said invention and all patent applications, patents, utility models and

designs therefore in all countries foreign to the United States, including the full right to claim for any such

application all benefits and priority rights under any applicable convention; together with the entire right, title and

interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents,

utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the

Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative,

that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will

assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of

any other applications that the Assignee may elect to make covering the invention identified above, in vesting in

the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any

interference which may arise involving said invention, or any such patent application or patent, and in assisting

Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and

deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the

terms of this Agreement.

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The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

6.8.15 Date

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The Commissioner of P	tents and Trademarks is hereby authorized and	I requested to issue patents to the
Assignce in accordance with the	terms of this Assignment.	
IN TESTIMONY WHEREOF, t	e Assignors have executed this agreement.	
John Pin	4-20-15	
John Picuri	Date	

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The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

Stanley T. Motley

Date

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Page 4 of 5 2292012 v1.Active The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

Curtis Phillipson

4/15/15 Date

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> PATENT REEL: 041254 FRAME: 0217

RECORDED: 02/14/2017