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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAHESH V. PATEL	12/28/2016
NACHIAPPAN CHIDAMBARAM	12/28/2016
SATISH KUMAR NACHAEGARI	12/28/2016
SRINIVASAN VENKATESHWARAN	12/28/2016
JOEL FRANK	12/28/2016
AMY JO PORTLOCK	12/19/2016

RECEIVING PARTY DATA

Name:	LIPOCINE INC.
Street Address:	675 ARAPEEN DRIVE, SUITE 202
City:	SALT LAKE CITY
State/Country:	UTAH
Postal Code:	84108

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14839820
PCT Number:	US2015047589

CORRESPONDENCE DATA

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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.

Phone: 801-566-6633 Email: solomon@tnw.com DAVID W. OSBORNE **Correspondent Name:** Address Line 1: P.O. BOX 1219

Address Line 2: THORPE NORTH & WESTERN, LLP

Address Line 4:

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ATTORNEY DOCKET NUMBER:	01235-36032.NP/PCT
NAME OF SUBMITTER:	DAVID W. OSBORNE
SIGNATURE:	/David W. Osborne/
DATE SIGNED:	03/22/2017

Total Attachments: 9 source=36032NP&36032PCT-Executed-Assignment#page1.tif source=36032NP&36032PCT-Executed-Assignment#page2.tif source=36032NP&36032PCT-Executed-Assignment#page3.tif source=36032NP&36032PCT-Executed-Assignment#page4.tif source=36032NP&36032PCT-Executed-Assignment#page5.tif

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WHEN RECORDED RETURN TO:

David W. Osborne Thorpe North & Western, LLP P.O. Box 1219

Sandy, UT 84091-1219

ASSIGNMENT

WHEREAS, We,

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Amy Jo Portlock

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Riverton, UT

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2262 West 13550 South

Riverton, UT 84065

(hereinafter "Assignors") have invented a certain new and useful improvement in the below

listed patent applications:

PATENT REEL: 041688 FRAME: 0233

Docket No. 01235-36032.NP and 01235-36032.PCT

U.S. Patent Application No. 14/839,820 filed August 28, 2015 entitled BIOAVAILABLE SOLID STATE (17-8)-HYDROXY-4-ANDROSTEN-3-ONE ESTERS filed as THORPE NORTH & WESTERN, LLP Docket No. 01235-36032.NP; and

International Patent Application Serial No. <u>PCT/US2015/047589</u> filed August 28, 2015 entitled BIOAVAILABLE SOLID STATE (17-8)-HYDROXY-4-ANDROSTEN-3-ONE **ESTERS** filed as THORPE NORTH & WESTERN, LLP Docket No. 01235-36032.PCT; (Thorpe North & Western, LLP is hereby authorized to insert the specified data, when known) and:

WHEREAS, Lipocine Inc., a corporation, organized and existing under the laws of the State of Utah, having a business address of 675 Arapeen Drive, Suite 202, Salt Lake City, UT 84108, (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all provisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International

Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

REEL: 041688 FRAME: 0235

PATENT

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Executed this			, 20 <u>16</u> at
Salt Lake City, UT	`((City, State).	

Assignment Docket No: 01235-36032.NP and 01235-36032.PCT Page 5 of 9	
Executed this 28th day of Decer	
, po-	Nachiappan Chidambaram

Page 6	t No: 01235-36032.NP					
	Executed this 28	 		, 2016 at	Salt Lake City	, UT
		 City, State).				
			1/	10		
		Satish K	umar Na	chaegari		

Assignment Docket No: 01235-36032.NP and 01235-36032 Page 7 of 9	LPCT	

Executed this 28th day of	December	, 2016 at Salt Lake City, UT
(City, State).	1. N.
	Srinivasan `	Venkateshwaran, Ph.D.

Assignment Docket No: 01235-36032.NP and 01235-36032.PCT Page 8 of 9	
Executed this 28th day of December	, 20 16 at Salt Lake City, UT
(City, State).	
Joel Frank/	for frame

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