PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	SUBMISSION TYPE: NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:		07/16/2007	
CONVEYING PARTY DATA			
Name		Name Exe	cution Date
Anguel N. Nikolov		10/30/2	
RECEIVING PARTY D	ΑΤΑ		
Name:	NanoOpto Cor	poration	
Street Address:	1600 Cottontai	Lane	
City:	Somerset		
State/Country:	NEW JERSEY		
Postal Code:	08873-5117		
	S Total: 1		
Property Type Number			
Property Ty	/pe	Number	305
Property Ty Application Number:		Number 2053058	
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Application Number:	DATA	2053058	
Application Number: CORRESPONDENCE Fax Number:	DATA (949)943-	2053058	\$40.00
Application Number:	DATA (949)943- 949-943-8	2053058 3358 300	00 00\$
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Application Number: CORRESPONDENCE Fax Number: Phone: Email: <i>Correspondence will E</i> <i>via US Mail.</i> Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	DATA (949)943- 949-943-8 mcastro@ be sent to the e-f FISH & As 2603 Mair Suite 1000 Irvine, CA	2053058 3358 300 fishiplaw.com <i>nail address first; if that is unsuccessful, it will be sent</i> SSOCIATES, PC I Street) LIFORNIA 92614	00 00\$

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CONFIRMATORY ASSIGNMENT

This assignment is effective July 16, 2007.

For valuable consideration, we, Jian Jim Wang, of 5923 Derick Drive, Orefield, PA 18069; Xuegong Deng, of 903 Mindy Lane, Piscataway, NJ 08854; Lei Chen of 425 Washington Blvd., Jersey City, NJ 07310; Anguel N. Nikolov of 1905 Sunny Slope Road, Bridgewater, NJ 08807; Nada O'Brien of Hillsborough, NJ 08844; Xiaoming Liu of Orefield, PA 18069; hereby assigned to NanoOpto Corporation, a corporation of Delaware, having a place of business at 1600 Cottontail Lane, Somerset, NJ 08873-5117, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled METHODS FOR FORMING PATTERNED STRUCTURES, filed August 15, 2006, and assigned U.S. Provisional Application Serial Number 60/837,829, which was subsequently converted into U.S. Utility Application Serial No. <u>11/838,436</u>, entitled <u>METHODS</u> FOR FORMING PATTERNED STRUCTURES, filed August 14, 2007, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignment Page 1 of 7

DATE:			_

STATE OF _____) SS. COUNTY OF _____)

On ______, before me, the undersigned, a notary public for the State of ______, there personally appeared JIAN JIM WANG personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

JIAN JIM WANG

WITNESS my hand and official seal.

Notary Public

Assignment Page 2 of 7

DATE:	

XUEGONG DENG

STATE OF)	
)	SS.
COUNTY OF)	

On ______, before me, the undersigned, a notary public for the State of ______, there personally appeared XUEGONG DENG personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

Assignment Page 3 of 7

DATE:	
	LEI CHEN
STATE OF	
) SS.
COUNTY OF)

On ______, before me, the undersigned, a notary public for the State of ______, there personally appeared LEI CHEN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

Assignment Page 4 of 7

DATE: 10-30-07

ANGUEL N. NIKOLOV

STATE OF (all forming) COUNTY OF Los Cupelly) SS.

of <u>10-30-2007</u>, before me, the undersigned, a notary public for the State of <u>californic</u> there personally appeared ANGUEL N. NIKOLOV personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary ublic



Assignment Page 5 of 7

DATE:	

NADA O'BRIEN

STATE OF)	
)	SS.
COUNTY OF)	

On ______, before me, the undersigned, a notary public for the State of _______, there personally appeared NADA O'BRIEN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

Assignment Page 6 of 7

DATE:	

XIAOMING LIU

STATE OF)
) SS.
COUNTY OF)

On ______, before me, the undersigned, a notary public for the State of ______, there personally appeared XIAOMING LIU personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

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Assignment Page 7 of 7

PATENT REEL: 028410 FRAME: 0678

RECORDED: 06/20/2012