

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Nada O'Brien		09/13/2008
RECEIVING PARTY DATA		
Name:	NanoOpto Corporation	
Street Address:	1600 Cottontail Lane	
City:	Somerset	
State/Country:	NEW JERSEY	
Postal Code:	08873-5117	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12053058	
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	212-765-5070	
Email:	bowley@fr.com	
Correspondent Name:	Chris C. Bowley	
Address Line 1:	FISH & RICHARDSON P.C.	
Address Line 2:	P.O.BOX 1022	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022	
ATTORNEY DOCKET NUMBER:	23238-0020001	
NAME OF SUBMITTER:	Susan Powell	
Total Attachments: 3 source=23238-0020001ass#page1.tif source=23238-0020001ass#page2.tif source=23238-0020001ass#page3.tif		

CH \$40.00 12053058

500668023

PATENT
REEL: 021638 FRAME: 0098

CONFIRMATORY ASSIGNMENT

This assignment is effective July 16, 2007.

For valuable consideration, I, Nada O'Brien of 5867 Sailing Hawk Avenue, Santa Rosa, CA 95409; 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"), my 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 me, entitled METHODS FOR FORMING PATTERNED STRUCTURES, filed August 15, 2006 , and assigned U.S. Provisional Application Serial No. 60/837,829 , which was subsequently re-filed on August 14, 2007, and assigned U.S. Utility Application Serial No. 11/838,436, and again re-filed on March 21, 2008, and assigned U.S. Utility Application Serial No. 12/053,058, this assignment including said applications, 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 applications 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 I authorized the Assignee to apply in all countries in my 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 I agreed for myself and my heirs, legal representatives and assigns, without further compensation to sign such further applications, assignments and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 9/13/2009

Nada O'Brien
NADA O'BRIEN

STATE OF California
COUNTY OF Sonoma) SS.

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.

A. D. C. se attached
Notary Public

30373215.doc

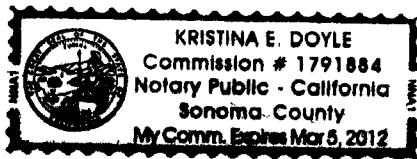
CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Sonoma

On September 13, 2008 before me, Kristina Doyle, Notary Public

personally appeared Nada O'Brien



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document:

Confirmatory Assignment

Document Date:

Number of Pages:

2

Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:

- ☐ Individual
☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other:

Signer Is Representing:

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here

Signer's Name:

- ☐ Individual
☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other:

Signer Is Representing:

RIGHT THUMBPRINT
OF SIGNER
Top of thumb here