PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lothar U. Kempen	06/15/1998
John D. Prohaska	06/15/1998
Robert A. Lieberman	06/15/1998

RECEIVING PARTY DATA

Name:	SHEPPARD MULLIN RICHTER & HAMPTON LLP	
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number: 09434225		

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ATTORNEY DOCKET NUMBER: 16LP-134153

NAME OF SUBMITTER: Linda M. de la Garza

Total Attachments: 2

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CH \$40.00

PATENT REEL: 023203 FRAME: 0630

ASSIGNMENT

WHEREAS, we, John D. Prohaska, Lothar U. Kempen, and Robert A. Lieberman, have made a certain new and useful invention for which we are about to make application for Letters Patent of the United States, which application may be identified in the United States Patent Office as Serial No. 09/057,067, filed April 8, 1998 and, entitled:

Birefringent Fiber Grating Sensor and Detection System

WHEREAS, Physical Optics Corporation, a corporation organized and existing under and by virtue of the laws of California and having its principal place of business in Torrance, California, is desirous of acquiring the entire

interest in and to said invention, said application and the Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of One Do hand paid, the receipt and sufficiency whereof are hereby a by these presents do hereby sell, assign, and set over unto the legal representative, successors and assigns, the entire rigincluding the aforesaid application, for Letters Patent hereto country and which may be based in whole or in part on sa Letters Patent heretofore or hereafter granted by the Unite in whole or in part on said inventions and discoveries, said and all such applications and also including the right to sue including the right to sue and recover for any and all infritof Patents to issue said Letters Patent to the above-mention	acknowledged, we have sold, assigned, and set over and the said Physical Optics Corporation and said assignee's geht, title and interest in and to any and all applications of ore and hereafter filed in the United States or any other aid inventions and discoveries, and in and to any and all the States or any other country and which may be based assignment including the right to file and prosecute any the and recover for any and all such applications and also negements of said patents; and request the Commissioner
WE HEREBY AUTHORIZE the above-mentioned assigned and serial number of our said application.	e to insert in this instrument the filing date, execution date
UPON SAID CONSIDERATION, we do hereby covenar assigns that neither we nor any of our said heirs, legal representations and act in conflict herewith and that we or out times do such acts and execute such papers, without expense to fully protect said inventions and discoveries for the beautherwise carry into full force and effect the text and interest and interest.	esentatives or assigns have or will execute any instrument or said heirs, legal representatives and assigns will at all se to ourselves, as may be necessary or desirable in order enefit of said assignee, its successors or assigns, and to
IN WITNESS WHEREOF, we have hereunto set our hand June, 1998.	$U \cap AU$
ā	ohn D. Prohaska (SEAL)
	Cothon Com (SEAL)
I	Cothar U. Kempen
Ī	Robert A. Lieberman (SEAL)
State of California)	
)ss.	
County of Los Angeles)	
On this day of June, 1998, before me, a notary pull Lothar U. Kempen, and Robert A. Liebernand who are names are subscribed to the foregoing instrument, and the said instrument as their free and voluntary act for the	e personally known to me to be the same persons whose ney acknowledged that they signed, sealed and delivered
All and the second seco	(SEAL)
	Notary Public
	My Commission Expires:
NILLES & NILLES, S.C.	CLIENI I TOCIBIRETRIN.ASN
	DATENT

PATENT REEL: 023203 FRAME: 0631

(Executed: <u>June 15, 1998</u>)

State of <u>California</u> ,	· ·		
County of Los Angeles,			
	, Jane M. Burdick, Notary Public,		
DATE	NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"		
personally appeared John D. Pronaska,	Lothar U. Kempen and Robert A. Lieberman NAME(S) OF SIGNER(S)		
JANE M. BURDICK COMM. # 1061869 Notary Public — California LOS ANGELES COUNTY My Comm. Expires JUN 18, 1999	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/shre/they executed the same in his/he/t/their authorized capacity(ies), and that by his/he/t/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal.		
Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.			
CAPACITY CLAIMED BY SIGNER	DESCRIPTION OF ATTACHED DOCUMENT		
☐ INDIVIDUAL	ASSIGNMENT to U.S. Patent Application, "Birefringent Fiber Grating Sensor		
CORPORATE OFFICER	and Detection System"		
TITLE(S)	TITLE OR TYPE OF DOCUMENT		
,			
☐ PARTNER(S) ☐ LIMITED ☐ GENERAL	One (1)		
ATTORNEY-IN-FACT	NUMBER OF PAGES		
TRUSTEE(S)			
☐ GUARDIAN/CONSERVATOR			
LJ OTHER:	None None		
	DATE OF DOCUMENT		
SIGNER IS REPRESENTING: NAME OF PERSON(S) OR ENTITY(IES)	None		
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