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Soham Pathak	Internal Address:				
Katherine A. Yanushefski Additional name(s) of conveying party(les) attached? Tyes 12 No	A1				
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Execution Date: 04 20 004	Additional name(s) & address(es) attached? 📮 Yes 📮 No				
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Washington, D.C. 20231

ASSIGNMENT AND AGREEMENT

For value received, we, Prakash Gothoskar of Allentown in the County of Lehigh and State of Pennsylvania, Margaret Ghiron of Allentown in the County of Lehigh and State of Pennsylvania, Robert Keith Montgomery of Easton in the County of Northampton and State of Pennsylvania, Vipulkumar Patel of Monmouth Junction in the County of Middlesex and State of New Jersey, Kalpendu Shastri of Orefield in the County of Lehigh and State of Pennsylvania, Soham Pathak of Allentown in the County of Lehigh and State of Pennsylvania and Katherine A. Yanushefski of Zionsville in the County of Berks and State of Pennsylvania, hereby sell, assign and transfer to SiOptical, Inc. a corporation of the State of Delaware, having an office at 7540 Windsor Drive, Lower Level, Allentown, PA, 18195 U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to "Sub-Micron Planar Lightwave Devices Formed on an SOI Platform" described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to SiOptical, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize SiOptical, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of SiOptical, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to SiOptical, Inc. in the United States and in all countries foreign to the United States, or to such nominees as SiOptical, Inc. may designate.

PATENT REEL: 015264 FRAME: 0448 We agree that, when requested, we shall, without charge to SiOptical, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

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	Prakash Gathostan
	Prakash Gothoskar
Date: <u>April 20, 2004</u>	
United States of America)	
State of PA) ss.	:
County of Lehigh)	
personally came Prakash Gothoskar, to	<u>Gorif</u> , 20 <u>o</u> , before me o me known to be the individual described in ument, and acknowledged execution of the
	Notary Public
	NOTARIAL SEAL JANET M. SRODES, Notary Public Upper Macungle Twp., Lehigh County My Commission Expires Dec. 17, 2005

PATENT REEL: 015264 FRAME: 0449

	ī	Margaret Ghiron	Shiron	
		J		
Date: <u>April 20, 200</u>	<u>)Y</u>			
United States of America)			
State of Pa) ss.:			
County of Likelyh)			
On this <u>Zoth</u> personally came Margaret (and who executed the foreg same.				
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JANET M. SRODES, Notary Public
Upper Macungle Twp., Lehigh County
My Commission Expires Dec. 17, 2005

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REEL: 015264 FRAME: 0450

		obert Keith Mentgering)	\ \
Date: Opril 20,	<u>≥004</u>		
United States of America	a)		
State of A) ss.:		
County of Likigh)		
On this	Hh day of rt Keith Montgome executed the fore	gyr∫ , 20 <u>0</u> , 20 <u>0</u> , 20 <u>0</u> ery, to me known to be the egoing instrument, and ac	_, before me ne individua cknowledged
		Sent M &	rodes
		Notary Public	
		NOTARIAL SEAL JANET M. SRODES, Notari Upper Macungle Twp., Lehig My Commission Expires Dec.	Public h County 17, 2005

United States of America

State of Pa) ss.:

County of Ligh

On this 20th day of Gerif , 2004, before me personally came Vipulkumar Patel, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

IAMET M. SRODES, Notary Public Upper Meaningle Two, Lehigh County My Commission Expires Dec. 17, 2005

REEL: 015264 FRAME: 0452

Kalpendr Shastri
Kalpendu Shastri

Date: april 20, 2004

United States of America)

State of TA .) ss.:

County of eligh)

On this 20 H day of 90 H, 20 H, before me personally came Kalpendu Shastri, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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Nøtary Public

JANET M. SRODES, Notary Public Upper Macungle Twp., Lehigh County My Commission Expires Dec. 17, 2005 SIO-0111

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Date: Qprid 20,200U

United States of America

State of A

On this 20th day of 20th, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

NOTARIAL SEAL Upper Macungle Twp., Lehligh County My Commission Expires Dec. 17, 2005

RECORDED: 04/23/2004

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PATENT REEL: 015264 FRAME: 0455