FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date						
Name (line 1) Zhang, Kevin J.	Month Day Year 04242000						
Name (line 2) Second Party	Execution Date Month Day Year						
Name (line 1) Scobey, Michael A.	04142000						
Name (line 2)							
Receiving Party	Mark if additional names of receiving parties attached						
Name (line 1) Optical Coating Laboratory, Inc.	If document to be recorded is an assignment and the receiving party is not						
Name (line 2) a corporation of the State of Deleware	domiciled in the United						
Address (line 1) 2789 Northpoint Parkway	2789 Northpoint Parkway representative is attached. (Designation must be a separate document from						
Address (line 2)	Assignment.)						
Address (line 3) Santa Rosa	CA 95407-7397 State/Country Zip Code						
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Page 2

U.S. Department of Commerce Patent and Trademark Office

OMB 0651-0027	rage 2	PATENT		
Correspondent Name and Add	dress Area Code and Telephone Number	umber 707-591-0789		
Name Scott W. Hewett				
dress (line 1) 400 West Third Street				
dress (line 2) Suite 223				
dress (line 3) Santa Rosa, CA 95401				
dress (line 4)				
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Method of Payment: Deposit Account	Enclosed Deposit Account			
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	Deposit Account Number:	50-0891		
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PATENT

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Conveying Part	='	Mark i	fadditional names of o	conveying parties at	tached Execution Date Month Day Year
Name (line 1) Li, Y	iqiang				04/24/2000
Name (line 2)					Execution Date Month Day Year
Name (line 1)					
Name (line 2)					Execution Date Month Day Year
Name (line 1)					
Name (line 2)					
Receiving Party	1		Mark if addition	onal names of recei	ving parties attached
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Address (line 2)					Assignment.)
Address (line 3)					
	City		State/Country	Zip Code	_
Name (line 1)					If document to be recorded is an assignment and the receiving party is not domiciled in the United
Name (line 2)					States, an appointment of a domestic
Address (line 1)					representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)					,
Address (line 3)	City		State/Country	Zip Code	
Application Nu	mber(s) or Patent N	umber(s)		Mark if additional i	numbers attached
	tent Application Number or th		O NOT ENTER BOTH	numbers for the sam	ne property).
Patent	Application Number(s)			Patent Number	r(s)
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PATENT

REEL: 010818 FRAME: 0887

ASSIGNMENT OF APPLICATION

Whereas I, Kevin J. Zhang, of Santa Rosa, California, hereafter referred to as APPLICANT, have invented certain new and useful improvements in an INTEGRATED MODULAR OPTICAL AMPLIFIER, hereinafter called the "invention", for which an application for a United States Patent was filed on March 3, 2000 (Attorney Docket No. OCL0001.1US) and assigned U.S. Patent Application Serial Number 09/518,708 and

Whereas, Optical Coating Laboratory, Inc., of Santa Rosa, California, a corporation of the State of Deleware, herein referred to as ASSIGNEE, whose principle place of business is 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397 is desirous of acquiring the entire right, title, and interest in the same;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the APPLICANT, by these presents do sell, assign, and transfer to the ASSIGNEE the full and exclusive right to the invention in the United States and the entire right, title and interest in and to any and all Patents that may be granted therefor in the United States, including any reissue patents, continuation patents, and/or division patents. I also hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to the ASSIGNEE, who holds the entire right, title, and interest to the same for its sole use and behoof; and for the use and behoof of its legal representatives, successors, and assigns, to the full end of the term for which any Patent may be granted.

I, the APPLICANT hereby further sells, assigns, transfers, and sets over to the ASSIGNEE the entire right, title, and interest in and to the invention in each and every country foreign to the United States; and the APPLICANT further conveys to the ASSIGNEE all priority rights resulting from the above-identified United States Patent Application, including the right to file patent applications in the ASSIGNEE's own name. The APPLICANT further agrees to execute all papers, give any required testimony, and perform other lawful acts, at the ASSIGNEE's expense, as the ASSIGNEE my require to enable the ASSIGNEE to perfect the ASSIGNEE's interest in any resulting patent of the United States or any foreign country, and to acquire, hold, enforce, convey, and uphold the validity of the patent and reissues and extensions thereof, and the ASSIGNEE's interest therein.

Executed this 24th day of April, 2000 at Santa Rosa, California

Kevin J. Zhang

PATENT REEL: 010818 FRAME: 0888

ASSIGNMENT OF APPLICATION

Whereas I, Michael A. Scobey, of Santa Rosa, California, hereafter referred to as APPLICANT, have invented certain new and useful improvements in an INTEGRATED MODULAR OPTICAL AMPLIFIER, hereinafter called the "invention", for which an application for a United States Patent was filed on March 3, 2000 and assigned U.S. Patent Application Serial No. 09/518, 708, and

Whereas, Optical Coating Laboratory, Inc., of Santa Rosa, California, a corporation of the State of Deleware, herein referred to as ASSIGNEE, whose principle place of business is 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397 is desirous of acquiring the entire right, title, and interest in the same;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the APPLICANT, by these presents do sell, assign, and transfer to the ASSIGNEE the full and exclusive right to the invention in the United States and the entire right, title and interest in and to any and all Patents that may be granted therefor in the United States, including any reissue patents, continuation patents, and/or division patents. I also hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to the ASSIGNEE, who holds the entire right, title, and interest to the same for its sole use and behoof; and for the use and behoof of its legal representatives, successors, and assigns, to the full end of the term for which any Patent may be granted.

I, the APPLICANT hereby further sells, assigns, transfers, and sets over to the ASSIGNEE the entire right, title, and interest in and to the invention in each and every country foreign to the United States; and the APPLICANT further conveys to the ASSIGNEE all priority rights resulting from the above-identified United States Patent Application, including the right to file patent applications in the ASSIGNEE's own name. The APPLICANT further agrees to execute all papers, give any required testimony, and perform other lawful acts, at the ASSIGNEE's expense, as the ASSIGNEE my require to enable the ASSIGNEE to perfect the ASSIGNEE's interest in any resulting patent of the United States or any foreign country, and to acquire, hold, enforce, convey, and uphold the validity of the patent and reissues and extensions thereof, and the ASSIGNEE's interest therein.

Executed this 14 day of April, 2000 at Santa Rosa, California

Michael A. Scobey

PATENT REEL: 010818 FRAME: 0889

ASSIGNMENT OF APPLICATION

Whereas I, Yiqiang Li, of Milpitas, California, hereafter referred to as APPLICANT, have invented certain new and useful improvements in an INTEGRATED MODULAR OPTICAL AMPLIFIER, hereinafter called the "invention", for which an application for a United States Patent was filed on March 3, 2000 (Attorney Docket No. OCL0001.1US and assigned U.S. Application Serial No. 09/518,708, and

Whereas, Optical Coating Laboratory, Inc., of Santa Rosa, California, a corporation of the State of Deleware, herein referred to as ASSIGNEE, whose principle place of business is 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397 is desirous of acquiring the entire right, title, and interest in the same;

Now therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the APPLICANT, by these presents do sell, assign, and transfer to the ASSIGNEE the full and exclusive right to the invention in the United States and the entire right, title and interest in and to any and all Patents that may be granted therefor in the United States, including any reissue patents, continuation patents, and/or division patents. I also hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to the ASSIGNEE, who holds the entire right, title, and interest to the same for its sole use and behoof; and for the use and behoof of its legal representatives, successors, and assigns, to the full end of the term for which any Patent may be granted.

I, the APPLICANT hereby further sells, assigns, transfers, and sets over to the ASSIGNEE the entire right, title, and interest in and to the invention in each and every country foreign to the United States; and the APPLICANT further conveys to the ASSIGNEE all priority rights resulting from the above-identified United States Patent Application, including the right to file patent applications in the ASSIGNEE's own name. The APPLICANT further agrees to execute all papers, give any required testimony, and perform other lawful acts, at the ASSIGNEE's expense, as the ASSIGNEE my require to enable the ASSIGNEE to perfect the ASSIGNEE's interest in any resulting patent of the United States or any foreign country, and to acquire, hold, enforce, convey, and uphold the validity of the patent and reissues and extensions thereof, and the ASSIGNEE's interest therein.

Executed this 24 day of April, 2000 at Fremont

California

Yiqiang "Steve" Li

PATENT
RECORDED: 05/15/2000 REEL: 010818 FRAME: 0890