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document.

Gary S. Williams

Name of Person Signing

PATENT

CA1 - 334499.1

March 7, 2003

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Date

**REEL: 013869 FRAME: 0981** 

## **ASSIGNMENT**

WHEREAS, WE, Jian Liu, Zheng Wang, Yonglin Huang, Xuejun Lu, ASSIGNORS, citizens of China, China, United States, China, residing at 1773 Karameos Ct., Sunnyvale, CA 94087; 1818 Libretto Ct., San Jose, CA 95132; 518 Vista Spring Ct., Milpitas, CA 95035; 1290 Beethoven Common #201, Fremont, CA 94538 are the inventors of the invention in DUAL FIBER OPTIC AMPLIFIER WITH SHARED PUMP SOURCE for which we have executed an application for a Patent of the United States

I hereby authorize and request my attorney, Gary S. Williams, of Pennie & Edmonds, LLP, 3300 Hillview Avenue, Palo Alto, California 94304, to insert here in parentheses (Application number \_\_\_\_\_\_, filed \_\_\_\_\_\_) the filing date

■ even date herewith or

which is identified by Pennie & Edmonds up docket no. 9775-127-999

which is executed on

which was filed on, Application No.

and application number of said application when known.

and WHEREAS, Finisar the said invention and the	Corporation, ASSIGNEE is des e said application:	irous of obtaining ou	entire right, title and inter	rest in, to and under
valuable consideration, transferred and set over, successors, legal represent United States application be granted thereon and all without limitation, all apparance country or countries in the same the priority right International Convention of the country in which a including, without limitation any country or countries.  AND WE HERI any Official of any country	FORE, in consideration of the second the receipt of which is hereby and by these presents do hereby and assigns, our entire right and all divisions, renewals and cell reissues and extensions thereopolications for patents, utility most foreign to the United States, togeths derived from said United Second for the Protection of Industrial Impusues application is filed, as it ion, patents, utility models, inventes foreign to the United States at EBY authorize and request the Cey or countries foreign to the United States.	acknowledged, we, it y sell, assign, transfeght, title and interest is continuations thereof, if; and all applications dels, and designs which ther with the right to fattes application und Property, or any other may be applicable; arttors' certificates and d all extensions, ren Commissioner of Pate ed States, whose duty	the said ASSIGNORS, he and set over, unto the said invalent, to and under the said invalent all Patents of the United for industrial property proch may hereafter be filed for ite such applications and the the Patent Laws of the international agreement of all forms of industrial presigns which may be granted ewals and reissues thereof it is to issue patents or other it is to issue patents or other internations.	ave sold, assigned, aid ASSIGNEE, its rention, and the said of States which may otection, including, for said invention in the right to claim for a United States, the corporty protection, and for said invention of the United States, and are evidence or forms
representatives and assign	tection on applications as afores ns, in accordance with the terms	said, to issue the same of this instrument.	to the said ASSIGNEE, i	is successors, legal
AND WE HERE we have not executed, an	EBY covenant and agree that we d will not execute, any agreeme:	have full right to conv nt in conflict herewith	ey the entire interest herein.	n assigned, and that
legal representatives and a lawful papers, execute all everything possible to aid protection for said invent		specting said invention and foreign application sors, legal representat	on, and testify in any legal j ons, make all rightful oath ives and assigns, to obtain	proceeding, sign all s, and generally do and enforce proper
in lestimon signatures.	Y WHEREOF, We hereunto se			-
JIAN LIU		Date _	1-23-03	
WITNESS	20	Date _	1-23-03	
ZHENG WANT		Date _	· · · · · · · · · · · · · · · · · · ·	
WITNESS		Date _		
YONGLIN HUANG		Date _		
WITNESS		Date_		<del></del>
XUEJUN LU		Date		
WITNESS				
			DA	TENT

PATENT REEL: 013869 FRAME: 0982

## **ASSIGNMENT**

WHEREAS, WE, Jian Liu, Zheng Wang, Yonglin Huang, Xuejun Lu, ASSIGNORS, citizens of China, China, United States, China, residing at 1773 Karameos Ct., Sunnyvale, CA 94087; 1818 Libretto Ct., San Jose, CA 95132; 518 Vista Spring Ct., Milpitas, CA 95035; 1290 Beethoven Common #201, Fremont, CA 94538 are the inventors of the invention in DUAL FIBER OPTIC AMPLIFIER WITH SHARED PUMP SOURCE for which we have executed an application for a Patent of the United States

even date herewith or

WITNESS

**RECORDED: 03/07/2003** 

D \_\_\_\_\_

<ul> <li>□ which was filed on , A</li> <li>☑ I hereby authorize and a</li> <li>Alto, California 94304, to</li> </ul>	request my attorney. Gary S. Williams, of Pe	ennie & Edmonds, LLP, 3300 Hillview Avenue, Palo er, filed) the filing date
and WHEREAS, Finisar C the said invention and the		ning our entire right, title and interest in, to and under
valuable consideration, the transferred and set over, a successors, legal represent United States application a be granted thereon and all without limitation, all apple any country or countries for the same the priority right International Convention of the country in which an including, without limitation	ne receipt of which is hereby acknowledged and by these presents do hereby sell, assign, atives and assigns, our entire right, title and in all divisions, renewals and continuations treissues and extensions thereof; and all applications for patents, utility models, and designed to the United States, together with the ts derived from said United States application the Protection of Industrial Property, or any such application is filed, as may be applied.	ollar (\$1.00) to us in hand paid, and other good and d, we, the said ASSIGNORS, have sold, assigned, transfer and set over, unto the said ASSIGNEE, its needs in, to and under the said invention, and the said hereof, and all Patents of the United States which may ications for industrial property protection, including, and which may hereafter be filed for said invention in right to file such applications and the right to claim for ion under the Patent Laws of the United States, the my other international agreement or the domestic laws cable; and all forms of industrial property protection, es and designs which may be granted for said invention ons, renewals and reissues thereof;
any Official of any country of industrial property prote	or countries foreign to the United States, who	of Patents and Trademarks of the United States, and ose duty it is to issue patents or other evidence or forms the same to the said ASSIGNEE, its successors, legal ment.
AND WE HERE we have not executed, and	BY covenant and agree that we have full right will not execute, any agreement in conflict	t to convey the entire interest herein assigned, and that herewith.
legal representatives and a lawful papers, execute all	ssigns, any facts known to us respecting said divisional, continuing, reissue and foreign a the said ASSIGNEE, its successors, legal rep	communicate to the said ASSIGNEE, its successors, invention, and testify in any legal proceeding, sign all pplications, make all rightful oaths, and generally do resentatives and assigns, to obtain and enforce proper
IN TESTIMONY signatures.	WHEREOF, We hereunto set our hands a	nd seals the day and year set opposite our respective
JIAN LIU		Date
WITNESS		Date
ZHENG WANT WITNESS	The June Ny	Date
YONGLIN HUANG WITNESS	Markey	Date
XUEJUN LU		Date $\frac{2/26/2003}{}$

PATENT CA1 - 328577.1
REEL: 013869 FRAME: 0983