FORM PTO-1595 Rev. 6-93)	RECORDATION FOR		MENT OF COMMERCE			
OMB No. 0651-0011 (exp. 4/94) Tab settings • OFFICE	PATENTS OF PUBLIC RECORDS) <u>[83] 81 [18]</u>	▼ V			
To the Honorable Commissioner of Patthereof.	ents and Trademarks:	102063883	cuments or copy			
1. Name of conveying party(inc) Gregory G. Cappiello Mikhail N. Sokolskiy Robert H. Dueck Additional name(s) of conveying attached? Yes X No 3. Nature of conveyance:	ANCE SECTION	2. Name and address of receiving Lightchip, Inc. Street Address: 27 Northwestern Drive Salem, New Hampshire 03079 Additional name(s) & address(es) attached? Yes X No				
Execution Date: October 2, 2001; October 5, 2001; and October 20, 2001, respectively. 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the						
A. Patent Application No.(s)	28, 2000					
Additiona	al numbers attach	ed? Yes X No				
5. Name and address of party to correspondence concerning do be mailed: William F. Esser, Esq. Jenkens & Gilchrist, P.C. 1445 Ross Avenue, Suite 3200 Dallas, Texas 75202-2799	ocument should	6. Total number of applications involved: One (1) 7. Total fee (37 C.F.R. 3.41):. X Enclosed Authorized to be charged account 8. Deposit account number: (for only) 10-0447 (Attach duplicate copy of the paying by deposit account)	ed to deposit			
DO NOT USE THIS SPACE						
william F. Esser	and belief, the copy of the original designature (Reg.1)	foregoing information is true a ginal document. March O	76, 2002 Date			
Name of Person Signing Total number of pages including cover sheet, attachments, and document: 6 Total number of pages including cover sheet, attachments, and document: 6						

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PATENT REEL: 012805 FRAME: 0141

Patent Application Attorney Docket No.: 34013-00028

ASSIGNMENT

WHEREAS, the undersigned, to wit:

- (1) Gregory G. Cappiello;
- (2) Mikhail N. Sokolskiy; and
- (3) Robert H. Dueck

(hereinafter collectively ASSIGNOR), has/have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"DIFFRACTION GRATING FOR WAVELENGTH DIVISION MULTIPLEXING/DEMULTIPLEXING DEVICES"

(X only one)	(a) _ which was executed concurrently herewith and is being filed herewith in the				
	United States Patent and Trademark Office;				
	(b) which was executed on, 20, and is being filed herewith in the				
	United States Patent and Trademark Office;				
	(c) x_was filed on November 28, 2000 as United States Serial No.				
	09/724,803, Attorney Docket No. 34013-28.				

WHEREAS, Lightchip, Inc., a corporation organized and existing under the laws of Delaware, having its principal place of business at 27 Northwestern Drive, Salem, New Hampshire 03079 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority,

1

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PATENT REEL: 012805 FRAME: 0142 Attorney Docket No.: 34013-00028

all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNOR also does hereby covenant that it has the full right to convey the entire right, title, and interest herein assigned, and that it has not and will not execute any agreement in conflict herewith;

ASSIGNOR also does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, reexaminations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to make application for and obtain any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, or extensions of said application, or any application on said invention, or any patent issuing therefor or therefrom;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any known facts relating to said invention or said application or any patent issuing therefor or therefrom, and testify as to the same in any interference or other litigation proceeding when requested to do so, and aid said ASSIGNEE, its successors, assigns, and legal representatives, in obtaining and enforcing proper protection for said invention in all countries;

ASSIGNOR also does hereby grant the firm of Jenkens & Gilchrist, P.C. of 1445 Ross Avenue, Suite 3200, Dallas, Texas, 75202, or its agents, the power to insert on this assignment any further information, including but not limited to application number(s) and filing date(s), which may

2

Patent Application

Attorney Docket No.: 34013-00028

be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

Executed on the date(s) below indicated:

(1) IN WITNESS WHEREOF, I have hereunto set my hand and seal this day of October , 2001.

Name

Gregory G. Cappiello

Address:

31 Glance Road

Windham, New Hampshire 03087

COMMONWEALTH/STATE OF

COUNTY OF '

Notary Public

My Commission Expires:

10/22/2004

KATHLEEN E. ANTISTA
Notary Public - New Hampshire
My Commission Expires October 27, 2004

Attorney Docket No.: 34013-00028

(2)	IN WITNESS WHEREO 2001.	F, I have hereunt	o set my han	d and seal this $\overline{\mathcal{O}5}$ day of $\overline{\mathcal{O}}$	<u>ctober</u>
		Name:		05. 10, 2001 Sokolskiy	
		Address:		inskaya St., Apt. 26	
		7 Ida oss.		ourg, Russia 197046	
sealed	-named Mikhail N. Sokolsk the foregoing instrument a	kiy, to us known a nd acknowledged	and known to I the same to I	pefore us did personally appearus to be the person who signe be his or her own free act and	d and deed.
B	erezina Alla	S, Peters	Burg, Pa	rashutnaya st 22	11-327
	Name		Address	·	

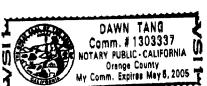
Tseitlina Valeria, S. Petersburg, Korablestraiteley 37/1-643

Name

Address

Patent Application Attorney Docket No.: 34013-00028

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20th day of (3) , 2001. Robert H. Dueck Address: 13766 Carlsbad Drive Santa Ana, CA 92705 STATE OF CA COUNTY OF ORMIGE On this 20 day of 000862, 2001, before me, a Notary Public in and for the , did personally appear the above-named Robert H. Commonwealth/State of Dueck, to me known and known to me to be the person who signed and sealed the foregoing instrument and acknowledged the same to be his or her own free act and deed.



My Commission Expires: _ 15 105

Jenkens & Gilchrist

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BOX ASSIGNMENT Commissioner for Patents

Washington, D.C. 20231

William F. Esser

(214) 855-4177

wesser@jenkens.com

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

Signature

Re: Applicant(s): Gregory G. Cappiello, Robert H. Dueck, and Mikhail N. Sokolskiy

Serial No.

09/724,803

Filing Date:

November 28, 2000

For:

WAVELENGTH DIVISION FOR DIFFRACTION **GRATING**

MULTIPLEXING/DEMULTIPLEXING DEVICES

Docket No.:

34013-28PT

Dear Sir:

Transmitted for filing with the Patent and Trademark Office are the following documents for the abovereferenced patent application:

- Form PTO-1595 Assignment Cover Form 1.
- Original Assignment 2.
- Check in the amount of \$40 for assignment recordal fee 3.
- Postcard acknowledgment. 4.

Please address all communications related to this to:

William F. Esser, Esq. Jenkens & Gilchrist, P.C. 1445 Ross Avenue, Suite 3200 Dallas, Texas 75202-2799

RECORDED: 04/10/2002

In the event there is an under or over payment, please debit or credit our Deposit Account #10-0447. This letter is being filed in duplicate to facilitate processing.

Respectfully submitted,

Wil 2.2

William F. Esser

Registration No. 38,053

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PATENT REEL: 012805 FRAME: 0147