

01-14-2002

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TO THE HONORABLE DIRECTOR OF
ORIGINAL DOCUMENTS OR COPY THEREOF.

PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED

1. Name of conveying party(ies):
 (a) Yeou-Yen Chen
 (b) Joseph Vanniasinkam
 (c) Jon Meyer
 (d) Chris Carroll
 (e) John Wai
 (f) Chris Viray
 (g) Bill Reysen
 (h) Bor-Long Twu
 Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies):
 Name: Pine Photonics Communications, Inc.
 Street Address: 940 Auburn Court
 City: Fremont State: California Zip: 94538
 Country: USA

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
 Execution Date: (a) 9/28/01; (b, c, d, e, f) 10/24/01; (g) 10/23/01;
 (h) 10/30/01

Name and address of receiving party(ies):
 Name:
 Street Address:
 City: State: Zip:
 Country:
 Additional name(s) & address(es) attached?
 Yes No

4. Application number(s) or patent number(s):
 If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No. (s) - 09/808,197
 Title: Filter Based Multiplexer/Demultiplexer
 Component

B. Patent No. (s)
 N/A

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Gary J. Edwards
 Internal Address: SKJERVEN MORRILL MacPHERSON LLP
 Street Address: 25 METRO DRIVE, SUITE 700
 City SAN JOSE State CA Zip 95110

6. Total number of applications and patents involved: 1
 7. Total fee (37 CFR 3.41): \$40.00
 Authorized to be charged to Deposit Account 19-2386
 Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

01/11/2002 DBYRNE 00000216 192386 09808197
 01 FC:581 40.00 CH
 DO NOT USE THIS SPACE

8. Statement and signature.
 To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
 Gary J. Edwards 41,008
 Name of Person Signing Signature Date 11/16/01

Total number of pages including cover sheet, attachments, and documents: 11

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

<u>Yeou-Yen Chen</u>	of <u>Saratoga, California</u>
<u>Joseph Vanniasinkam</u>	of <u>Scarborough, Ontario Canada</u>
<u>Jon Meyer</u>	of <u>Fremont, California</u>
<u>Chris Carroll</u>	of <u>Santa Clara, California</u>
<u>John Wai</u>	of <u>Los Altos, California</u>
<u>Chris Viray</u>	of <u>Sunnyvale, California</u>
<u>Bill Reysen</u>	of <u>Lafayette, California</u>
<u>Bor-Long Twu</u>	of <u>Sunnyvale, California</u>

hereby sell, assign and transfer to Pine Photonics Communications, Inc., a Delaware corporation, having a place of business at 940 Auburn Court, Fremont, California, 94538, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

Filter Based Multiplexer/Demultiplexer Component

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

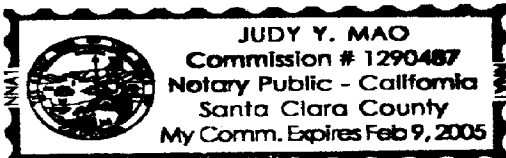
Executed this 28 day of Sept., 2001.

Yeou-Yen Chen
Yeou-Yen Chen

State of California)
) ss.
County of Santa Clara)

On Sep. 28, 2001 before me, Judy Y Mao, Notary Public personally appeared Yeou-Yen Chen personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.
Judy Y Mao
SIGNATURE OF NOTARY



Executed this ____ day of _____, 2001.

Joseph Vanniasinkam

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this ____ day of _____, 2001.

Jon Meyer

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this ____ day of _____, 2001.

Chris Carroll

State of _____)
) ss.
County of _____)

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this ____ day of _____, 2001.

John Wai

State of _____)
) ss.
County of _____)

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Chris Viray

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Bill Reysen

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

Executed this _____ day of _____, 2001.

Twu Bor-Long

State of _____)
) ss.
County of _____)

On _____ before me, _____
personally appeared _____ personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

<u>Yeou-Yen Chen</u>	of <u>Saratoga, California</u>
<u>Joseph Vanniasinkam</u>	of <u>Scarborough, Ontario Canada</u>
<u>Jon Meyer</u>	of <u>Fremont, California</u>
<u>Chris Carroll</u>	of <u>Santa Clara, California</u>
<u>John Wai</u>	of <u>Los Altos, California</u>
<u>Chris Viray</u>	of <u>Sunnyvale, California</u>
<u>Bill Reysen</u>	of <u>Lafayette, California</u>
<u>Bor-Long Twu</u>	of <u>Sunnyvale, California</u>

hereby sell, assign and transfer to Pine Photonics Communications, Inc., a Delaware corporation, having a place of business at 940 Auburn Court, Fremont, California, 94538, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

Filter Based Multiplexer/Demultiplexer Component

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this _____ day of _____, 2001.

Yeou-Yen Chen

State of _____)
) ss.
County of _____)

On _____ before me, _____ personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.

SIGNATURE OF NOTARY

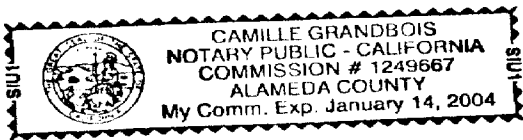
Executed this 24th day of October, 2001.

Joseph Vanniasinkam
Joseph Vanniasinkam

State of California
County of Alameda ss.

On Oct. 29, 2001 before me, C. GRANDBOIS, NOTARY PUBLIC, personally appeared Joseph Vanniasinkam personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.



Camille Grandbois
SIGNATURE OF NOTARY

Executed this 24 day of October, 2001.

Jon Meyer
Jon Meyer

State of California
County of Alameda ss.

On Oct. 24, 2001 before me, C. GRANDBOIS, NOTARY PUBLIC, personally appeared Jon Meyer personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/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.



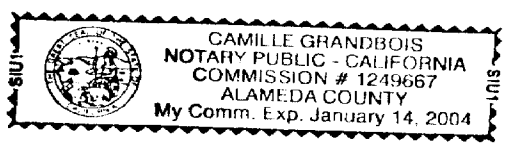
Camille Grandbois
SIGNATURE OF NOTARY

Executed this 24th day of October, 2001.

Chris Carroll
Chris Carroll

State of California
County of Alameda ss.

On Oct. 24, 2001 before me, C. GRANDBOIS, Notary Public,
personally appeared Chris Carroll personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



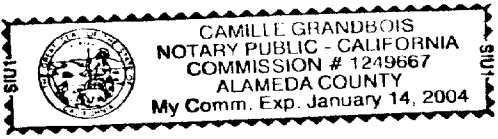
WITNESS my hand and official seal.
Camille Grandbois
SIGNATURE OF NOTARY

Executed this 24 day of October, 2001.

John Wai
John Wai

State of California
County of Alameda ss.

On Oct. 24, 2001 before me, C. GRANDBOIS, Notary Public,
personally appeared John Wai personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



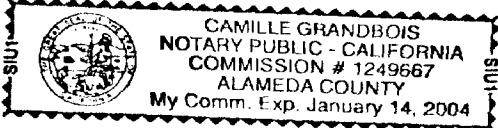
WITNESS my hand and official seal.
Camille Grandbois
SIGNATURE OF NOTARY

Executed this 24th day of October, 2001.

Chris Viray
Chris Viray

State of California,
County of Alameda ss.

On Oct 24, 2001 before me, C. GRANDBOIS, NOTARY PUBLIC,
personally appeared Chris Viray personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



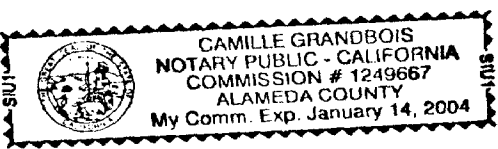
WITNESS my hand and official seal.
Camille Grandbois
SIGNATURE OF NOTARY

Executed this 23rd day of October, 2001.

Bill Reysen
Bill Reysen

State of California,
County of Alameda ss.

On October 23, 2001 before me, C. GRANDBOIS, NOTARY PUBLIC,
personally appeared Bill Reysen personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/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.
Camille Grandbois
SIGNATURE OF NOTARY

Executed this 30th day of October, 2001.

Twu Bor-Long
Twu Bor-Long

State of CA.)
) ss.
County of Alameda

On 10/30/01 before me, Jennifer W. Chen, notary
~~Bar Long Twu~~ personally
personally appeared Bar Long Twu personally
~~known to me~~ or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) ~~is (are)~~ subscribed to the within instrument and acknowledged to me that ~~he/she/they~~
executed the same in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/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.

Jennifer W. Chen
SIGNATURE OF NOTARY

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