

04-16-2003



RECORDATION

U.S. Department of Commerce

Resubm
Patent and Trademark Office

102420576

4-14-03

the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

Name of conveying party(ies): Date
James S. Vickers November 13, 2002

2. Name and address of receiving party(ies):

Name: Optonics, Inc.

Street Address: 2593 Coast Avenue Suite 100

City: Mountain View State: CA

Zip: 94043

Additional name(s) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

Nature of conveyance:

Assignment Merger

Security Agreement Change of name

Other _____

Execution Date: _____

Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: November, 2002 (Date of Filing)

A. Patent Application No.(s)

B. Patent No.

Additional numbers attached? Yes No

FRANCHISE SECTION
NOV 17 2002
10:06 AM

Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph Bach

Street Address: 17460 Lakeview Drive

City: Morgan Hill State: CA

Zip: 95037

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) ----- \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: _____

DO NOT USE THIS SPACE

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.

JOSEPH BACH Req No. 37,771

Name of Person Signing

Signature *[Signature]*

4-6-03

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original document or copy thereof.

1. Name of conveying party(ies): James S. Vickers Date November, 2002

Additional name(s) of conveying party(ies) attached? Yes No 11/13/02

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: _____

2. Name and address of receiving party(ies):
 Name: Optonics, Inc.
 Street Address: 2593 Coast Avenue Suite 100
 City: Mountain View State: CA
 Zip: 94043

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration number(s):
 If this document is being filed together with a new application, the execution date of the application is: November, 2002 (Date of Filing)

A. Patent Application No.(s)
 B. Patent No.
 Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)-----
 ----- \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: _____

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Joseph Bach
 Street Address: 17460 Lakeview Drive
 City: Morgan Hill State: CA
 Zip: 95037

DO NOT USE THIS SPACE

9. 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.

JOSEPH BACH Reg No. 37,771
 Name of Person Signing

and document: _____

Signature: [Signature] Date: Nov-9-02

Total number of pages including cover sheet, attachments _____

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

J1033 U.S. PTO
10/29/02
11/13/02

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventor:

1)	James S. VICKERS 2002 Coastline Avenue San Jose, CA 95125		
----	---	--	--

(hereinafter referred to as Assignors), have invented a certain invention entitled:

**"AVALANCHE PHOTODIODE FOR PHOTON COUNTING APPLICATIONS AND METHOD
THEREOF "**

for which application for Letters Patent in the United States is filed herewith,
and executed on even date herewith; and

WHEREAS, Optonics, Inc., having a place of business at 2593 Coast Avenue, Suite 100,
Mountain View, California 94043 (hereinafter referred to as Assignee), is desirous of acquiring the entire
right, title and interest in and to said application (hereinafter referred to as Application), and the invention
disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention,
heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's
certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all
countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said
Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive
right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for
patents on said Invention in any and all countries pursuant to the International Convention for the
Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all
Patents granted on said Invention in any and all countries and groups of countries, including each and
every Application filed and each and every Patent granted on any application which is a division,
substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of
any of said Patents.

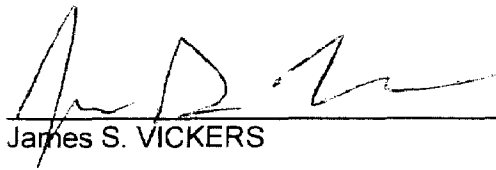
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable
said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in
any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt
production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications,
declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said
Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for
prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or
additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of
any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for
legal proceedings involving said Invention and any application therefor and any Patents granted thereon,

including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

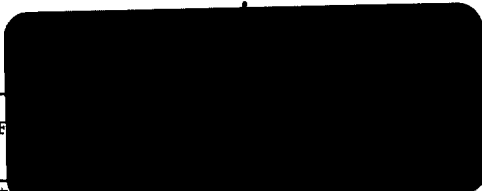
3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.


James S. VICKERS
Date Nov. 13, 2002

MMS
11/13/02



FORM PTO 1195
REV. 6-13)
B No. 2651-0911 (exp. 4/94)

RECORDATION F

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks, please record the attached original document or copy hereof.

1. Name of conveying party(ies): James S. Vickers Date November __, 2002

Additional name(s) of conveying party(ies) attached? Yes No

Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: _____

2. Name and address of receiving party(ies):
 Name: Optonics, Inc,
 Street Address: 2593 Coast Avenue Suite 100
 City: Mountain View State: CA
 Zip: 94043

Additional name(s) & address(es) attached? Yes No

J1033 U.S. PTO
10/29/02
11/13/02

3. Application number(s) or registration number(s):
 If this document is being filed together with a new application, the execution date of the application is: November __, 2002 (Date of Filing)

A. Patent Application No. (s)
 B. Patent No. 10/294434

Additional numbers attached? Yes No

4. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Joseph Bach
 Street Address: 17460 Lakeview Drive
 City: Morgan Hill State: CA
 Zip: 95037

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) -----
 ----- \$ 40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: _____

1/18 002 STEUMEL1 00000016 10294434
2 FC 021 40.00 OP

DO NOT USE THIS SPACE

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.

JOSEPH BACH Reg No. 37,771
 Name of Person Signing Signature [Signature] Date Nov 9-02

Total number of pages including cover sheet, attachments _____

Send document: _____

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventor:

1)	James S. VICKERS 2002 Coastline Avenue San Jose, CA 95125	
----	---	--

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"AVALANCHE PHOTODIODE FOR PHOTON COUNTING APPLICATIONS AND METHOD THEREOF "

for which application for Letters Patent in the United States is filed herewith, and executed on even date herewith; and

WHEREAS, Optonics, Inc., having a place of business at 2593 Coast Avenue, Suite 100, Mountain View, California 94043 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon,

including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

 Nov. 13, 2002
James S. VICKERS Date