

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Anthony J. TICKNOR	05/07/2002
John T. KENNEY	05/08/2002
Giacomo VACCA	05/07/2002
Dudley A. SAVILLE	05/01/2002
Ken G. PURCHASE	05/07/2002
RECEIVING PARTY DATA	
Name:	Lightwave Microsystems Corporation
Street Address:	2911 Zanker Road
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11289188
CORRESPONDENCE DATA	
Fax Number:	(650)494-0792
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(650) 813-5932
Email:	cpicazomejia@mofo.com
Correspondent Name:	Morrison & Foerster LLP
Address Line 1:	755 Page Mill Road
Address Line 4:	Palo Alto, CALIFORNIA 94304-1018
ATTORNEY DOCKET NUMBER:	373722002410
NAME OF SUBMITTER:	Ilya Chorny

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Total Attachments: 12

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Attorney Docket No.: 373722002400

**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by Anthony J. TICKNOR, John T. KENNEY, Giacomo VACCA, Dudley A. SAVILLE, and Ken G. PURCHASE (hereinafter referred to as the assignors), residing at 10952 Barranca Drive, Cupertino, California 95014, 661 Waverly Street, Palo Alto, California 94301, 862 Arbor Road, Menlo Park, California 94025, 244 Dodds La., Princeton, New Jersey 08540 and 179 Sherland Avenue, Mountain View, California 94043, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in MICROFLUIDIC CONTROL FOR WAVEGUIDE OPTICAL SWITCHES, VARIABLE ATTENUATORS, AND OTHER OPTICAL DEVICES, set forth in an application for Letters Patent of the United States, bearing Serial No. 10/085,885 and filed on February 27, 2002; and

WHEREAS, Lightwave Microsystems Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 2911 Zanker Road, San Jose, California 95134 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

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AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

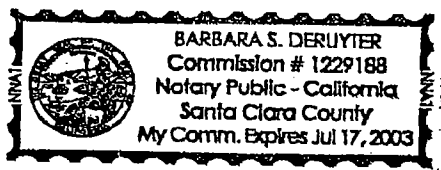
07-May-02
Date
Anthony J. TICKNOR
Anthony J. TICKNOR

STATE OF California,
COUNTY OF Santa Clara) ss.

BEFORE ME, the undersigned authority, on this 7th day of May, 2002, personally appeared Anthony J. Ticknor known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Barbara S. Deruyter
Notary Public
My Commission Expires: July 17, 2003

[seal]



Attorney Docket No.: 373722002400

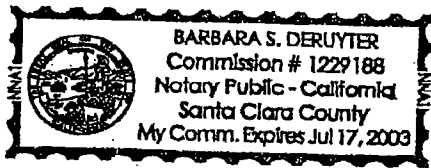
5/7/02
Date
Giacomo Vacca
Giacomo VACCA

STATE OF California
COUNTY OF Santa Clara ss.

BEFORE ME, the undersigned authority, on this 7th day of May, 2002, personally appeared Giacomo Vacca known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Barbara S. Deruyter
Notary Public
My Commission Expires: July 17, 2003

[seal]



Attorney Docket No.: 373722002400

Date Dudley A. SAVILLE

STATE OF)
) ss.
COUNTY OF)

BEFORE ME, the undersigned authority, on this ____ day of _____, 2002, personally appeared _____ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[seal]

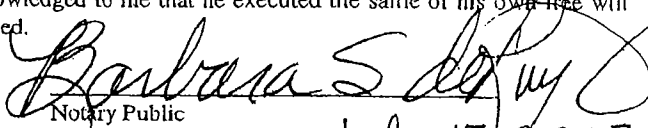
Notary Public
My Commission Expires:

Attorney Docket No.: 373722002400

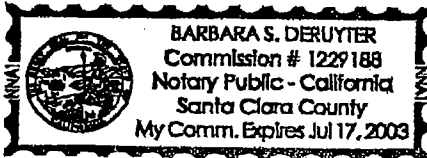
Date 5/7/02 Ken G. Purchase
 Ken G. PURCHASE

STATE OF California)
) ss.
 COUNTY OF Santa Clara)

BEFORE ME, the undersigned authority, on this 7th day of May, 2002, personally appeared Ken G. Purchase known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.


 Notary Public
 My Commission Expires: July 17, 2003

[seal]



Attorney Docket No.: 373722002400

**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by Anthony J. TICKNOR, John T. KENNEY, Giacomo VACCA, Dudley A. SAVILLE, and Ken G. PURCHASE (hereinafter referred to as the assignors), residing at 10952 Barranca Drive, Cupertino, California 95014, 661 Waverly Street, Palo Alto, California 94301, 862 Arbor Road, Menlo Park, California 94025, 244 Dodds La., Princeton, New Jersey 08540 and 179 Sherland Avenue, Mountain View, California 94043, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in MICROFLUIDIC CONTROL FOR WAVEGUIDE OPTICAL SWITCHES, VARIABLE ATTENUATORS, AND OTHER OPTICAL DEVICES, set forth in an application for Letters Patent of the United States, bearing Serial No. 10/085,885 and filed on February 27, 2002; and

WHEREAS, Lightwave Microsystems Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 2911 Zanker Road, San Jose, California 95134 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

Attorney Docket No.: 373722002400

Date

John T. KENNEY

STATE OF

)

) ss.

COUNTY OF

)

BEFORE ME, the undersigned authority, on this _____ day of _____, 2002, personally appeared _____ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[seal]

Notary Public

My Commission Expires:

Attorney Docket No.: 373722002400

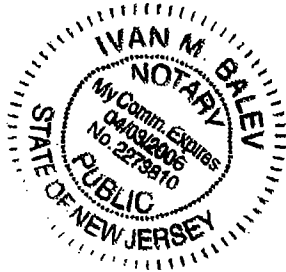
5-1-2002
Date
Dudley A. Saville
Dudley A. SAVILLE

STATE OF New Jersey
COUNTY OF Mercer) ss.

BEFORE ME, the undersigned authority, on this 1st day of May, 2002, personally appeared Dudley A. Saville known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Ivan M. Baber
Notary Public
My Commission Expires:

[seal]



Attorney Docket No.: 373722002400

Date _____ Ken G. PURCHASE _____

STATE OF)
) ss.
COUNTY OF)

BEFORE ME, the undersigned authority, on this ____ day of _____, 2002, personally appeared _____ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[seal]

Notary Public
My Commission Expires: