

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Patent Security Agreement

CONVEYING PARTY DATA

Name	Execution Date
OCLARO (NORTH AMERICA), INC.	07/26/2011

RECEIVING PARTY DATA

Name:	Wells Fargo Capital Finance, Inc., as Agent
Street Address:	2450 Colorado Avenue, Suite 3000 West
City:	Santa Monica
State/Country:	CALIFORNIA
Postal Code:	90404

PROPERTY NUMBERS Total: 50

Property Type	Number
Patent Number:	5638204
Patent Number:	5638471
Patent Number:	5640268
Patent Number:	5652808
Patent Number:	5652812
Patent Number:	5659646
Patent Number:	5680411
Patent Number:	5687272
Patent Number:	5696784
Patent Number:	5701194
Patent Number:	5703895
Patent Number:	5707890
Patent Number:	5712864
Patent Number:	5717711
Patent Number:	5721424

CH \$2000.00 5638204

Patent Number:	5724461
Patent Number:	5726796
Patent Number:	5727096
Patent Number:	5732102
Patent Number:	5745614
Patent Number:	5748660
Patent Number:	5753524
Patent Number:	5780120
Patent Number:	5786915
Patent Number:	5796768
Patent Number:	5800666
Patent Number:	5801879
Patent Number:	5808314
Patent Number:	5808530
Patent Number:	5808787
Patent Number:	5809051
Patent Number:	5812297
Patent Number:	5818862
Patent Number:	5818987
Patent Number:	5821570
Patent Number:	5832146
Patent Number:	5838714
Patent Number:	5854088
Patent Number:	5859717
Patent Number:	5861971
Patent Number:	5862168
Patent Number:	5887094
Patent Number:	5889902
Patent Number:	5912478
Patent Number:	5920419
Patent Number:	5930278
Patent Number:	5930419
Patent Number:	5933562
Patent Number:	5940208
Patent Number:	5943459

**PATENT**

**REEL: 028435 FRAME: 0279**

Fax Number: (949)760-0182  
Phone: 949-760-1121  
Email: patent@buchalter.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: Sandra P. Thompson, PhD.  
Address Line 1: 18400 Von Karman Avenue, Ste 800  
Address Line 4: Irvine, CALIFORNIA 92612

ATTORNEY DOCKET NUMBER:

F6384-1244

NAME OF SUBMITTER:

Sandra P. Thompson, PhD.

**Total Attachments: 89**

source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page1.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page2.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page3.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page4.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page5.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page6.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page7.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page8.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page9.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page10.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page11.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page12.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page13.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page14.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page15.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page16.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page17.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page18.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page19.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page20.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page21.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page22.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page23.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page24.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page25.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page26.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page27.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page28.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page29.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page30.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page31.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page32.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page33.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page34.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page35.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page36.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page37.tif  
source=520 - Oclaro No. Amer. Executed Patent Sec Agrmt 7-26-11#page38.tif

**PATENT**  
**REEL: 028435 FRAME: 0280**



## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this "Patent Security Agreement") is made this 26th day of July, 2011, by and among the Grantors listed on the signature pages hereof (collectively, jointly and severally, "Grantors" and each individually "Grantor"), and **WELLS FARGO CAPITAL FINANCE, INC.**, a California corporation ("WFCF"), in its capacity as agent for the Lender Group and the Bank Product Providers (in such capacity, together with its successors and assigns in such capacity, "Agent").

### W I T N E S S E T H:

WHEREAS, pursuant to that certain Amended and Restated Credit Agreement dated as of July 26, 2011 (as amended, restated, supplemented, or otherwise modified from time to time, the "Credit Agreement") by and among Oclaro, Inc., a Delaware corporation ("Parent"), and Oclaro Technology Limited, a company incorporated under the laws of England and Wales, as borrower ("Borrower"), the lenders party thereto as "Lenders" (such Lenders, together with their respective successors and assigns in such capacity, each, individually, a "Lender" and, collectively, the "Lenders"), and Agent, the Lender Group has agreed to make certain financial accommodations available to Borrower from time to time pursuant to the terms and conditions thereof; and

WHEREAS, the members of Lender Group are willing to make the financial accommodations to Borrower as provided for in the Credit Agreement, but only upon the condition, among others, that the Grantors shall have executed and delivered to Agent, for the benefit of the Lender Group and the Bank Product Providers, that certain Security Agreement (Domestic), dated as of July 26, 2011 (including all annexes, exhibits or schedules thereto, as from time to time amended, restated, supplemented or otherwise modified, the "Security Agreement"); and

WHEREAS, pursuant to the Security Agreement, Grantors are required to execute and deliver to Agent, for the benefit of the Lender Group and the Bank Product Providers, this Patent Security Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby agrees as follows:

1. DEFINED TERMS. All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement or, if not defined therein, in the Credit Agreement.

2. GRANT OF SECURITY INTEREST IN PATENT COLLATERAL. Each Grantor hereby unconditionally grants, assigns, and pledges to Agent, for the benefit each member of the Lender Group and each of the Bank Product Providers, to secure the Secured Obligations, a continuing security interest (referred to in this Patent Security Agreement as the "Security Interest") in all of such Grantor's right, title and interest in and to the following, whether now owned or hereafter acquired or arising and subject to any exclusions set forth in the Security Agreement (collectively, the "Patent Collateral"):

(a) all of its Patents and Patent Intellectual Property Licenses to which it is a party including those referred to on Schedule I;

(b) all divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing; and

(c) all products and proceeds of the foregoing, including any claim by such Grantor against third parties for past, present or future infringement of any Patent or any Patent exclusively licensed under any Intellectual Property License, including the right to receive damages, or right to receive license fees, royalties, and other compensation under any Patent Intellectual Property License.

3. SECURITY FOR SECURED OBLIGATIONS. This Patent Security Agreement and the Security Interest created hereby secures the payment and performance of the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Patent Security Agreement secures the payment of all amounts which constitute part of the Secured Obligations and would be owed by Grantors, or any of them, to Agent, the Lender Group, the Bank Product Providers or any of them, whether or not they are unenforceable or not allowable due to the existence of an Insolvency Proceeding involving any Grantor.

4. SECURITY AGREEMENT. The Security Interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interests granted to Agent, for the benefit of the Lender Group and the Bank Product Providers, pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the Security Interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Patent Security Agreement and the Security Agreement, the Security Agreement shall control.

5. AUTHORIZATION TO SUPPLEMENT. If any Grantor shall obtain rights to any new patent application or issued patent or become entitled to the benefit of any patent application or patent for any divisional, continuation, continuation-in-part, reissue, or reexamination of any existing patent or patent application, the provisions of this Patent Security Agreement shall automatically apply thereto. Grantors shall give prompt notice in writing to Agent with respect to any such new patent rights. Without limiting Grantors' obligations under this Section, Grantors hereby authorize Agent unilaterally to modify this Patent Security Agreement by amending Schedule I to include any such new patent rights which constitute Collateral of each Grantor. Notwithstanding the foregoing, no failure to so modify this Patent Security Agreement or amend Schedule I shall in any way affect, invalidate or detract from Agent's continuing security interest in all Collateral, whether or not listed on Schedule I.

6. COUNTERPARTS. This Patent Security Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Patent Security Agreement. Delivery of an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission shall be equally as effective as delivery of an original executed counterpart of this Patent Security Agreement. Any party delivering an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission also shall deliver an original executed counterpart of this Patent Security Agreement but the failure to deliver an original executed counterpart shall not affect the validity, enforceability, and binding effect of this Patent Security Agreement.

7. CONSTRUCTION. This Patent Security Agreement is a Loan Document. Unless the context of this Patent Security Agreement clearly requires otherwise, references to the plural include the singular, references to the singular include the plural, the terms "includes" and "including" are not limiting, and the term "or" has, except where otherwise indicated, the inclusive meaning represented by the phrase "and/or". The words "hereof", "herein", "hereby", "hereunder", and similar terms in this Patent Security Agreement refer to this Patent Security Agreement as a whole and not to any particular provision of this Patent Security Agreement. Section, subsection, clause, schedule, and exhibit references herein are to this Patent Security Agreement unless otherwise specified. Any reference in this Patent Security Agreement to any agreement, instrument, or document shall include all alterations, amendments, changes, extensions, modifications, renewals, replacements, substitutions, joinders, and supplements, thereto and thereof, as

applicable (subject to any restrictions on such alterations, amendments, changes, extensions, modifications, renewals, replacements, substitutions, joinders, and supplements set forth herein). The words “asset” and “property” shall be construed to have the same meaning and effect and to refer to any and all tangible and intangible assets and properties, including cash, securities, accounts, and contract rights. Any reference herein to the satisfaction, repayment, or payment in full of the Secured Obligations shall mean the repayment in full in cash or immediately available funds (or, (a) in the case of contingent reimbursement obligations with respect to Letters of Credit, providing Letter of Credit Collateralization, and (b) in the case of obligations with respect to Bank Products (other than Hedge Obligations), providing Bank Product Collateralization) of all of the Secured Obligations (including the payment of any termination amount then applicable (or which would or could become applicable as a result of the repayment of the other Secured Obligations) under Hedge Agreements provided by Hedge Providers) other than (i) unasserted contingent indemnification Secured Obligations, (ii) any Bank Product Obligations (other than Hedge Obligations) that, at such time, are allowed by the applicable Bank Product Provider to remain outstanding without being required to be repaid or cash collateralized, and (iii) any Hedge Obligations that, at such time, are allowed by the applicable Hedge Provider to remain outstanding without being required to be repaid. Any reference herein to any Person shall be construed to include such Person’s successors and permitted assigns. Any requirement of a writing contained herein shall be satisfied by the transmission of a Record.

8. THE VALIDITY OF THIS PATENT SECURITY AGREEMENT, THE CONSTRUCTION, INTERPRETATION, AND ENFORCEMENT HEREOF, AND THE RIGHTS OF THE PARTIES HERETO WITH RESPECT TO ALL MATTERS ARISING HEREUNDER OR RELATED HERETO SHALL BE DETERMINED UNDER, GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA.

9. THE PARTIES AGREE THAT ALL ACTIONS OR PROCEEDINGS ARISING IN CONNECTION WITH THIS PATENT SECURITY AGREEMENT SHALL BE TRIED AND LITIGATED ONLY IN THE STATE AND, TO THE EXTENT PERMITTED BY APPLICABLE LAW, FEDERAL COURTS LOCATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; PROVIDED, HOWEVER, THAT ANY SUIT SEEKING ENFORCEMENT AGAINST ANY COLLATERAL OR OTHER PROPERTY MAY BE BROUGHT, AT AGENT’S OPTION, IN THE COURTS OF ANY JURISDICTION WHERE AGENT ELECTS TO BRING SUCH ACTION OR WHERE SUCH COLLATERAL OR OTHER PROPERTY MAY BE FOUND. AGENT AND EACH GRANTOR WAIVE, TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, ANY RIGHT EACH MAY HAVE TO ASSERT THE DOCTRINE OF FORUM NON CONVENIENS OR TO OBJECT TO VENUE TO THE EXTENT ANY PROCEEDING IS BROUGHT IN ACCORDANCE WITH THIS SECTION 9.

10. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, AGENT AND EACH GRANTOR HEREBY WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF THIS AGREEMENT OR ANY OF THE TRANSACTIONS CONTEMPLATED HEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS. AGENT AND EACH GRANTOR REPRESENT THAT EACH HAS REVIEWED THIS WAIVER AND EACH KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS FOLLOWING CONSULTATION WITH LEGAL COUNSEL. IN THE EVENT OF LITIGATION, A COPY OF THIS PATENT SECURITY AGREEMENT MAY BE FILED AS A WRITTEN CONSENT TO A TRIAL BY THE COURT.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this Patent Security Agreement to be executed and delivered as of the day and year first above written.

GRANTORS:

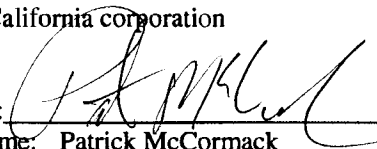
**OCLARO (NORTH AMERICA) INC.,**  
a Delaware corporation

By:   
Name: Jerry Turin  
Title: Chief Executive Officer



**AGENT:**

**WELLS FARGO CAPITAL FINANCE, INC.,**  
a California corporation

By:   
Name: Patrick McCormack  
Title: Vice President

Patent Security Agreement

**PATENT**  
**REEL: 028435 FRAME: 0286**

**SCHEDULE I**  
**to**  
**PATENT SECURITY AGREEMENT**

**Patents**

<b>Grantor</b>	<b>Country</b>	<b>Patent</b>	<b>Application/ Patent No.</b>	<b>Filing Date</b>
Oclaro (North America) Inc.	USA	PUMP WAVELENGTH TUNING OF OPTICAL AMPLIFIERS AND USE OF SAME IN WAVELENGTH DIVISION MULTIPLEXED SYSTEMS	6144486	11/7/00
Oclaro (North America), Inc.	USA	SYSTEM AND METHOD FOR TUNABLE CHROMATIC DISPERSION COMPENSATION	7949257	5/24/11
Oclaro (North America), Inc.	USA	PACKAGED OPTICAL DEVICE STACK	7894722	2/22/11
Oclaro (North America), Inc.	USA	SYSTEM OF METHOD FOR DYNAMIC RANGE EXTENSION	7856037	12/21/10
Oclaro (North America), Inc.	USA	APPARATUS, SYSTEM AND METHOD FOR A TUNABLE OPTICAL FILTER	7693364	4/6/10
Oclaro (North America), Inc.	USA	LITHIUM NIOBATE OPTICAL MODULATOR	7693356	4/6/10

Oclaro (North America), Inc.	USA	METHOD AND APPARATUS FOR TRANSPARENT ETHERNET MULTIPLEXING AND DEMULTIPLEXING	7885546	2/8/11
Oclaro (North America), Inc.	USA	OPTICAL SWITCHING DEVICE WITH RECONFIGURABLE CHANNEL SPACING	7929108	4/19/11
Oclaro North America	USA	FAST POWER TRANSIENT SUPPRESSION IN CONSTANT POWER-MODE CONTROLLED OPTICAL AMPLIFIERS	7961380	4/12/04
Oclaro North America Inc	USA	ANALYZING TUNABLE OPTICAL FILTERS USING TUNABLE SOURCE	7692793	4/6/10
Oclaro North America, Inc.	USA	CONTINUOUSLY TUNABLE OPTICAL DISPERSION COMPENSATION SYNTHESIZERS USING CASCADED ETALONS	7706045	4/27/10
Avanex Corporation	USA	FIBER AMPLIFIER HAVING MODIFIED GAIN SPECTRUM	5131069	7/14/92
Avanex Corporation	USA	POLARIZATION BEAM SPLITTER FOR GUIDED LIGHT	5151957	9/29/92

Avanex Corporation	USA	OPTICAL AMPLIFIER IN THE 1.26 .MU.M TO 1.34 .MU.M SPECTRUM RANGE	5185847	2/9/93
Avanex Corporation	USA	OPTOELECTRONIC DEVICE WITH AN INTEGRATED OPTICAL GUIDE AND PHOTODETECTOR	5193131	3/9/93
Avanex Corporation	USA	FIBER OPTIC AMPLIFIER	5195149	3/16/93
Avanex Corporation	USA	PROCESS FOR THE PHOTOCHEMICAL TREATMENT OF A MATERIAL USING A FLASH TUBE LIGHT SOURCE	5221561	6/22/93
Avanex Corporation	USA	DOUBLE CHANNEL SEMICONDUCTOR LASER AND METHOD OF FABRICATING IT	5278858	1/11/94
Avanex Corporation	USA	WIDENED OUTPUT MODE SEMICONDUCTOR OPTICAL COMPONENT AND METHOD OF FABRICATING IT	5278926	1/11/94

Avanex Corporation	USA	OPTICAL AMPLIFIER HAVING A SEMICONDUCTOR WITH A SHORT SWITCHING TIME	5283688	2/1/94
Avanex Corporation	USA	SEMICONDUCTOR LASER WITH A SATURABLE ABSORBER	5283799	2/1/94
Avanex Corporation	USA	OPTICALLY CONTROLLABLE SEMICONDUCTOR LASER	5285465	2/8/94
Avanex Corporation	USA	PROCESS FOR PRODUCING A BURIED STRIPE SEMICONDUCTOR LASER USING DRY ETCHING FOR FORMING SAID STRIPE AND LASER OBTAINED BY THIS PROCESS	5304283	4/19/94
Avanex Corporation	USA	HIGHLY COUPLED SUPERLATTICE INTEGRATED LASER-MODULATOR COMPONENT	5305343	4/19/94
Avanex Corporation	USA	OPTOELECTRIC DEVICE WITH A VERY LOW SERIES RESISTANCE	5306923	4/26/94
Avanex Corporation	USA	TUNABLE SEMICONDUCTOR LASER	5319667	6/7/94

Avanex Corporation	USA	METHOD OF LIMITING COUPLING LOSSES BETWEEN MONOMODE OPTICAL FIBERS USING A PIECE OF MULTIMODE OPTICAL FIBER	5337380	8/9/94
Avanex Corporation	USA	THIN FILM, FIELD EFFECT TRANSISTOR WITH A CONTROLLED ENERGY BAND	5343057	8/30/94
Avanex Corporation	USA	DISTRIBUTED FEEDBACK LASER STRUCTURE	5357538	10/18/94
Avanex Corporation	USA	AMPLIFIER HAVING PUMP FIBER FILTER	5363234	11/8/94
Avanex Corporation	USA	A SEMICONDUCTOR LIGHT SOURCE WITH NON-LINEAR COMPENSATION MEANS WITHIN A PREDISTORTION CIRCUIT	5373384	12/13/94
Avanex Corporation	USA	COMPACT-SIZE OPTICAL AMPLIFIER	5383051	1/17/95
Avanex Corporation	USA	DEVICE AND METHOD TO CONTROL THE OUTPUT POWER OF LASER DIODES	5383208	1/17/95

Avanex Corporation	USA	FIBER AMPLIFIER HAVING EFFICIENT PUMP POWER UTILIZATION	5406411	4/11/95
Avanex Corporation	USA	A HETEROJUNCTION BIPOLAR TRANSISTOR	5412233	5/2/95
Avanex Corporation	USA	TRANSMITTER/RECEIVER FOR FREQUENCY-MODULATED OPTICAL SIGNALS AND OPTICAL LINK CORRESPONDING THERETO	5412496	5/2/95
Avanex Corporation	USA	PROCESS AND APPARATUS FOR THE MODULATION AND AMPLIFICATION OF LIGHT BEAMS	5414726	5/9/95
Avanex Corporation	USA	LASER PACKAGE AND METHOD OF ASSEMBLY	5438580	8/1/95
Avanex Corporation	USA	OPTOELECTRIC DEVICE HAVING A VERY LOW STRAY CAPACITANCE AND ITS PRODUCTION PROCESS	5440147	8/8/95

Avanex Corporation	USA	FIBER-OPTIC AMPLIFIER WITH A FACILITY FOR MONITORING THE PUMP POWER AND INPUT POWER	5442479	8/15/95
Avanex Corporation	USA	SEMICONDUCTOR STRIP ACTIVE OPTICAL DEVICE	5442723	8/15/95
Avanex Corporation	USA	OPTICAL HYBRID SWITCH WITH ELECTROOPTICALLY ACTIVE WAVEGUIDE STRUCTURE FORMED FROM AN NLO POLYMER	5465310	11/7/95
Avanex Corporation	USA	SEMICONDUCTOR LASER HAVING LOW CURRENT THRESHOLD	5504769	4/2/96
Avanex Corporation	USA	METHOD OF MAKING AN ELECTRONIC AND/OR PHOTONIC COMPONENT	5525541	6/11/96
Avanex Corporation	USA	PROCESS FOR PRODUCING AN ELECTRICALLY CONTROLLABLE MATRIX OF VERTICALLY STRUCTURED QUANTUM WELL COMPONENTS	5534444	7/9/96



Avanex Corporation	USA	OPTICALLY PUMPED BISTABLE LASER	5544192	8/6/96
Avanex Corporation	USA	LASER PACKAGE WITH REVERSED LASER DIODE	5550852	8/27/96
Avanex Corporation	USA	OPTICAL POWER LIMITING AMPLIFIER	5579153	11/26/96
Avanex Corporation	USA	WAVELENGTH-TUNABLE, DISTRIBUTED BRAGG REFLECTOR LASER HAVING SELECTIVELY ACTIVATED, VIRTUAL DIFFRACTION GRATINGS	5581572	12/3/96
Avanex Corporation	USA	METHOD AND SYSTEM FOR FORMING AN OPTICAL FIBER MICROLENS	5598493	1/28/97
Avanex Corporation	USA	METHOD OF MODIFYING THE LONGITUDINAL DISTRIBUTION OF THE PITCH OF A DIFFRACTION GRATING, AND A METHOD OF MAKING SUCH A GRATING IN AN OPTICAL WAVEGUIDE	5613023	3/18/97

Avanex Corporation	USA	OPTICAL POWER AMPLIFIER WITH A1203 AND ERBIUM DOPED ACTIVE FIBER	5638204	6/10/97
Avanex Corporation	USA	METHOD OF PREPARING AN OPTICAL FIBER FOR COUPLING WITH A PHOTOTRANSDUCER AND AN OPTICAL SYSTEM OBTAINED THEREBY	5638471	6/10/97
Avanex Corporation	USA	OPTICAL FIBER AMPLIFIER WITH TWO DIRECTIONAL PUMPING	5640268	6/17/97
Avanex Corporation	USA	ACOUSTIC-OPTICAL DEVICE FOR OPTICAL FILTERING	5652808	7/29/97
Avanex Corporation	USA	INTEGRATED OPTO-ELECTRONIC COMPONENT	5652812	7/29/97
Avanex Corporation	USA	OPTICAL WAVEGUIDE TRANSITION AND METHOD OF FABRICATING IT	5659646	8/19/97

Avanex Corporation	USA	INTEGRATED MONOLITHIC LASER-MODULATOR COMPONENT WITH MULTIPLE QUANTUM WELL STRUCTURE	5680411	10/21/97
Avanex Corporation	USA	SEGMENTED OPTICAL WAVEGUIDE SUITABLE IN PARTICULAR FOR BEING INCLUDED IN A SEMICONDUCTOR DEVICE	5687272	11/11/97
Avanex Corporation	USA	REDUCED MODE LASER AND METHOD OF FABRICATION	5696784	12/9/97
Avanex Corporation	USA	AMPLIFIED TELECOMMUNICATION SYSTEM FOR WAVELENGTH-DIVISION MULTIPLEXING TRANSMISSIONS CAPABLE OF LIMITING VARIATIONS IN THE OUTPUT POWER	5701194	12/23/97
Avanex Corporation	USA	OPTO-ELECTRONIC SEMICONDUCTOR DEVICE INCLUDING AN INTEGRATED MODE TRANSFORMER	5703895	12/30/97

Avanex Corporation	USA	METHOD OF SHIFTING A WAVELENGTH IN A SEMICONDUCTOR STRUCTURE HAVING QUANTUM WELLS	5707890	1/13/98
Avanex Corporation	USA	PHOTONIC DIPLEX TRANSCEIVER	5712864	1/27/98
Avanex Corporation	USA	LASER DEVICE, NOTABLY FOR OPTICAL PUMPING, AND METHOD OF FABRICATING IT	5717711	2/10/98
Avanex Corporation	USA	AVALANCHE PHOTODIODE APPARATUS BIASED WITH A MODULATING POWER SIGNAL	5721424	2/24/98
Avanex Corporation	USA	POLARIZATION-INSENSITIVE DEMULTIPLEXER AND A METHOD OF MANUFACTURE	5724461	3/3/98
Avanex Corporation	USA	OPTICAL AMPLIFIER	5726796	3/10/98
Avanex Corporation	USA	PROCESS FOR MAKING A MONOLITHIC INTEGRATED STRUCTURE INCORPORATING OPTO-ELECTRONIC COMPONENTS AND STRUCTURE MADE IN THIS WAY	5727096	3/10/98

Avanex Corporation	USA	LASER COMPONENT HAVING A BRAGG REFLECTOR OF ORGANIC MATERIAL, AND A METHOD OF MAKING IT	5732102	3/24/98
Avanex Corporation	USA	OPTICAL MODE FILTER	5745614	4/28/98
Avanex Corporation	USA	SAMPLE GRATING DISTRIBUTED BRAGG REFLECTOR LASER, VERY WIDELY MATCHABLE BY PHASE VARIATION AND PROCESS FOR USING THIS LASER	5748660	5/5/98
Avanex Corporation	USA	METHOD OF FORMING A PLATEAU AND A COVER ON THE PLATEAU IN PARTICULAR ON A SEMICONDUCTOR SUBSTRATE	5753524	5/19/98
Avanex Corporation	USA	METHOD FOR PREPARING LASER FACES	5780120	7/14/98
Avanex Corporation	USA	OPTICAL MULTIPLEXING DEVICE	5786915	7/28/98

Avanex Corporation	USA	BURIED STRUCTURE LASER DEVICE FOR INTEGRATED PHOTONIC CIRCUIT AND METHOD OF MANUFACTURE	5796768	8/18/98
Avanex Corporation	USA	METHOD AND SYSTEM FOR FORMING AN OPTICAL FIBER MICROLENS	5800666	9/1/98
Avanex Corporation	USA	DEVICE AND METHOD TO SUPPRESS Q-SWITCHING IN AN OPTICAL AMPLIFYING DEVICE	5801879	9/1/98
Avanex Corporation	USA	SEMICONDUCTOR EMISSION DEVICE WITH FAST WAVELENGTH MODULATION	5808314	9/15/98
Avanex Corporation	USA	MODULAR ASSEMBLY INCLUDING TWO ELECTRONIC CIRCUITS TO BE ELECTRICALLY INTERCONNECTED TO CONVEY A MICROWAVE SIGNAL	5808530	9/15/98
Avanex Corporation	USA	AMPLIFIED TELECOMMUNICATION SYSTEM FOR WAVELENGTH-DIVISION MULTIPLEXING TRANSMISSIONS	5808787	9/15/98

Avanex Corporation	USA	VERTICAL CAVITY LASER EMISSION COMPONENT THAT EMITS VIA THE SURFACE AT A WAVELENGTH LYING IN THE RANGE 1.3 MICROMETERS TO 1.55 MICROMETERS AND A METHOD FOR MAKING IT	5809051	9/15/98
Avanex Corporation	USA	BIAS SYSTEM IN AN OPTICAL CATV MODULATOR	5812297	9/22/98
Avanex Corporation	USA	SURFACE EMITTING SEMICONDUCTOR LASER	5818862	10/6/98
Avanex Corporation	USA	FILTER OBTAINED BY WRITING A BRAGG GRATING INTO AN OPTICAL FIBER	5818987	10/6/98
Avanex Corporation	USA	SEMICONDUCTOR STRUCTURE HAVING A VIRTUAL DIFFRACTION GRATING	5821570	10/13/98

Avanex Corporation	USA	A MULTI-WAVELENGTH FILTER THAT IS INSENSITIVE TO POLARIZATION WITH MEANS FOR CREATING ASYMMETRY IN THE REFRACTIVE INDEX OF WAVEGUIDES AND METHOD OF MANUFACTURE	5832146	11/3/98
Avanex Corporation	USA	TUNABLE WAVELENGTH LASER EMISSION COMPONENTS	5838714	11/17/98
Avanex Corporation	USA	METHOD OF MANUFACTURING A SURFACE-EMITTING LASER	5854088	12/29/98
Avanex Corporation	USA	MULTIPLEXING DEVICE WITH PRECISION OPTICAL BLOCK	5859717	1/12/99
Avanex Corporation	USA	INLINE MODULATOR DEVICE FOR AN OPTICAL TRANSMISSION SYSTEM	5861971	1/19/99
Avanex Corporation	USA	MONOLITHIC INTEGRATED OPTICAL SEMICONDUCTOR COMPONENT	5862168	1/19/98
Avanex Corporation	USA	BAND-PASS FILTER IN AN OPTICAL WAVEGUIDE	5887094	3/23/99



Avanex Corporation	USA	MONOLITHIC INTEGRATED OPTOELECTRONIC SEMICONDUCTOR COMPONENT AND PROCESS FOR MANUFACTURING THE SAME	5889902	3/30/98
Avanex Corporation	USA	AVALANCHE PHOTODIODE	5912478	6/15/99
Avanex Corporation	USA	QUANTUM WELL ELECTRO-OPTICAL MODULATOR	5920419	7/6/99
Avanex Corporation	USA	MULTI-WAVELENGTH LASER-EMITTING COMPONENT	5930278	7/27/99
Avanex Corporation	USA	WAVELENGTH DEMULTIPLEXER CONSTRUCTED USING INTEGRATED OPTICS	5930419	7/27/99
Avanex Corporation	USA	OPTICAL SEMICONDUCTOR COMPONENT WITH DEEP RIDGED WAVEGUIDE	5933562	8/3/99
Avanex Corporation	USA	SWITCHABLE FIBER OPTIC DEVICE FOR FIBER TRANSMISSION SYSTEM AND COMPONENTS THEREOF	5940208	8/17/99
Avanex Corporation	USA	OPTICAL COUPLING ARRANGEMENT	5943459	8/24/99

Avanex Corporation	USA	PERIODIC MACH-ZEHNDER OPTICAL FILTERS	5946432	8/31/99
Avanex Corporation	USA	DEVICE FOR BOTH-WAY TRANSPOSITION BETWEEN OPTICAL SIGNALS AND ELECTRICAL SIGNALS, FOR A COMMUNICATIONS SYSTEM	5946438	8/31/99
Avanex Corporation	USA	WAVELENGTH CONVERTER FOR BINARY OPTICAL SIGNALS	5978129	11/2/99
Avanex Corporation	USA	SPECTROGRAPHIC MULTIPLEXER COMPONENT HAVING AN ARRAY OF WAVEGUIDES	5978532	11/2/99
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER	5982531	11/9/99
Avanex Corporation	USA	INTERFEROMETRIC SEMICONDUCTOR LASER WITH LOW-LOSS COUPLING OF LIGHT THEREFROM AND AN ARRANGEMENT WITH SUCH A LASER	5995530	11/30/99

Avanex Corporation	USA	METHOD FOR REDUCING REJECTS IN THE MANUFACTURE OF INTEGRATED OPTICAL COMPONENTS	5999667	12/7/99
Avanex Corporation	USA	HYBRID FIBER AMPLIFIER	6011644	1/4/00
Avanex Corporation	USA	BIDIRECTIONAL OPTICAL TELECOMMUNICATION SYSTEM COMPRISING A BIDIRECTIONAL OPTICAL AMPLIFIER	6018404	1/25/00
Avanex Corporation	USA	SEMICONDUCTOR BRAGG REFLECTOR AND A METHOD OF FABRICATING SAID REFLECTOR	6023354	2/8/00
Avanex Corporation	USA	METHOD FOR MANUFACTURE OF A BURIED STRUCTURE LASER DEVICE FOR INEGRATED PHOTONIC CIRCUIT	6025207	2/15/00
Avanex Corporation	USA	VIRTUALLY IMAGED PHASED ARRAY (VIPA) HAVING A VARYING REFLECTIVITY SURFACE TO IMPROVE BEAM PROFILE	6028706	2/22/02
Avanex Corporation	USA	OPTICAL FIBER TELECOMMUNICATION SYSTEM	6031646	2/29/00

Avanex Corporation	USA	INTEGRATED INTERFEROMET ER STRUCTURE	6035078	3/7/00
Avanex Corporation	USA	METHOD OF MANUFACTURING AN INTEGRATED OPTICAL COMPONENT COMPRISING A THICK WAVEGUIDE COUPLED TO A THIN WAVEGUIDE	6040246	3/21/00
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER	6040938	3/21/00
Avanex Corporation	USA	PROCESS FOR FABRICATING A SEMICONDUCTOR OPTO-ELECTRONIC COMPONENT AND COMPONENT AND MATRIX OF COMPONENTS FABRICATED BY THIS PROCESS	6046065	4/4/00
Avanex Corporation	USA	SURFACE EMITTING SEMICONDUCTOR LASER	6052398	4/18/00
Avanex Corporation	USA	A PACKAGE FOR ENCLOSING MICROOPTICAL AND/OR MICROELECTRONIC DEVICES SO AS TO MINIMIZE THE LEAKAGE OR MICROWAVE ELECTROMAGNETIC RADIATION	6054766	4/25/00

Avanex Corporation	USA	SEMICONDUCTOR OPTICAL REFLECTOR AND A METHOD OF MANUFACTURING THE SAME	6064685	5/16/00
Avanex Corporation	USA	MICRO-OPTIC DEVICE WITH MEANS FOR PRECISELY POSITIONING MICRO-OPTIC COMPONENTS	6064781	5/16/00
Avanex Corporation	USA	MODULATION METHOD AND SEMICONDUCTOR OPTICAL MODULATOR	6081631	6/27/00
Avanex Corporation	USA	MICROOPTICAL MODULE WITH A WDM FILTER AND AN OPTICAL ISOLATOR FOR FIBER-OPTIC AMPLIFIER SYSTEMS	6081635	6/27/00
Avanex Corporation	USA	CROSSTALK SUPPRESSION IN A MULTIPATH OPTICAL AMPLIFIER	6084704	7/4/00
Avanex Corporation	USA	APERIODIC MACHZEHNDER OPTICAL FILTERS	6088494	6/11/00
Avanex Corporation	USA	A HYBRID OPTICAL MODULE INCLUDING AN INTERMEDIATE ELEMENT	6093939	7/25/00

Avanex Corporation	USA	DEMULTIPLEXER WITH A SQUARE SPECTRAL RESPONSE	6094513	7/25/00
Avanex Corporation	USA	METHOD OF DEPOSITING A FERROMAGNETIC FILM ON A WAVEGUIDE AND A MAGNETO-OPTIC COMPONENT COMPRISING A THIN FERROMAGNETIC FILM DEPOSITED BY THE METHOD	6103010	8/15/00
Avanex Corporation	USA	METHOD OF RELAXING A STRESSED FILM BY MELTING AN INTERFACE LAYER	6107113	8/22/00
Avanex Corporation	USA	PHOTONIC COMPONENT WITH ELECTRICAL CONDUCTION PATHS	6108477	8/22/00
Avanex Corporation	USA	MULTIPLE REFLECTION MULTIPLEXER AND DEMULTIPLEXER	6111674	8/29/00
Avanex Corporation	USA	MILLIMETER-WAVE OPTICAL SOURCE INTENDED FOR A DISTRIBUTION NETWORK OF RADIO OVER FIBER TYPE	6111678	8/29/00

Avanex Corporation	USA	EXTERNAL CAVITY SEMICONDUCTOR LASER WITH MONOLITHIC PRISM ASSEMBLY	6115401	9/5/00
Avanex Corporation	USA	OPTICAL PREAMPLIFIER DEVICE HAVING A WAVELENGTH CONVERSION DEVICE	6118117	9/12/00
Avanex Corporation	USA	OPTICAL COMPONENT HAVING A WAVEGUIDE ARRAY SPECTROGRAPH WITH IMPROVED ARRAY GEOMETRY	6125219	9/26/00
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER DEVICE	6128425	10/3/00
Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER WITH A PHASE DIFFERENTIAL METHOD OF WAVELENGTH SEPARATION UTILIZING A POLARIZATION BEAM SPLITTER AND A NONLINEAR INTERFEROMETER	6130971	10/10/00

Avanex Corporation	USA	DETACHABLE PLUG-IN PUMP CARD ASSEMBLY	6132104	10/17/00
Avanex Corporation	USA	OPTICAL AMPLIFIER DESIGNS FOR MULTICHANNEL FIBER OPTIC COMMUNICATIO N NETWORKS	6134047	10/17/00
Avanex Corporation	USA	SEMICONDUCTO R OPTICAL AMPLIFIER AND INTEGRATED LASER SOURCE INFORMATION	6137625	10/24/00
Avanex Corporation	USA	A LIGHT EMITTING DEVICE HAVING AN INTEGRATED COMPONENT INCLUDING AT LEAST ONE LASER SECTION AND AT LEAST ONE MODULATION SECTION	6137814	10/24/00
Avanex Corporation	USA	MULTIPLEXER/D EMULTIPLEXER WITH FLATTENED SPECTRAL RESPONSE	6141152	10/31/00



Avanex Corporation	USA	OPTICAL SEMICONDUCTOR LIGHT GUIDE DEVICE HAVING A LOW DIVERGENCE EMERGENT BEAM, APPLICATION TO FABRY-PEROT AND DISTRIBUTED FEEDBACK LASERS	6141363	10/31/00
Avanex Corporation	USA	VIRTUALLY IMAGED PHASED ARRAY (VIPA) HAVING SPACER ELEMENT AND OPTICAL LENGTH ADJUSTING ELEMENT	6144494	11/7/00
Avanex Corporation	USA	DEVICE, IN PARTICULAR A SEMICONDUCTOR DEVICE, FOR PROCESSING TWO WAVES, IN PARTICULAR LIGHT WAVES	6148015	11/14/00
Avanex Corporation	USA	OPTICAL FIBRE AMPLIFIER AND TRANSMISSION SYSTEM WITH OPTICAL FIBRE-AMPLIFIER	6151156	11/21/00
Avanex Corporation	USA	METHOD OF FABRICATING INTEGRATED OPTICAL CIRCUITS WHICH MINIMIZES OPTICAL COUPLING LOSSES	6160927	12/12/00

Avanex Corporation	USA	LASER FOR GENERATING AN OPTICAL COMB	6163553	12/19/00
Avanex Corporation	USA	SYSTEM AND METHOD FOR ALIGNING OPTICAL FIBER COLLIMATORS	6168319	1/2/01
Avanex Corporation	USA	NONLINEAR INTERFEROMETER FOR FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER UTILIZING A PHASE BIAS ELEMENT TO SEPARATE WAVELENGTHS IN AN OPTICAL SIGNAL	6169604	1/2/01
Avanex Corporation	USA	OPTICAL AND PROGRAMMABLE FIBER OPTIC WAVELENGTH ADD/DROP SYSTEM	6169616	1/2/01
Avanex Corporation	USA	VIRTUALLY IMAGED PHASED ARRAY (VIPA) HAVING LENSES ARRANGED TO PROVIDE A WIDE BEAM WIDTH	6169630	1/2/01

Avanex Corporation	USA	NON-LINEAR OPTICAL DEVICE FOR PROCESSING AN OPTICAL SIGNAL, COMPRISING AN INTERFEROMETER WITH MULTIPLE ARMS	6169824	1/2/01
Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER WITH A PHASE DIFFERENTIAL METHOD OF WAVELENGTH SEPARATION UTILIZING A POLARIZATION BEAM SPLITTER AND A NONLINEAR INTERFEROMETER	6169828	1/2/01
Avanex Corporation	USA	TEMPERATURE-INDEPENDENT OPTICAL MULTIPLEXER AND/OR DEMULTIPLEXER	6181848	1/30/01
Avanex Corporation	USA	VIRTUALLY IMAGED PHASED ARRAY (VIPA) HAVING SPACER ELEMENT AND OPTICAL LENGTH ADJUSTING ELEMENT	6185040	2/6/01
Avanex Corporation	USA	ADD/DROP OPTICAL MULTIPLEXING DEVICE	6198857	3/6/01

Avanex Corporation	USA	METHOD OF SPECTRALLY TUNING A FILTER	6204970	3/20/01
Avanex Corporation	USA	DENSE WAVELENGTH DIVISION MULTIPLEXER WHICH INCLUDES A DENSE OPTICAL CHANNEL COMB FILTER	6205270	3/20/01
Avanex Corporation	USA	MULTI-SECTION ELECTRO-OPTICAL MONOLITHIC COMPONENT	6208794	3/27/01
Avanex Corporation	USA	IMPROVED PERFORMANCE GAIN FLATTENED EDFA	6215581	4/10/01
Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER WITH A PHASE DIFFERENTIAL METHOD OF WAVELENGTHS SEPARTION UTILIZING GLASS BLOCKS AND A NONLINEAR INTERFEROMAT ER	6215926	4/10/01

Avanex Corporation	USA	OPTICAL COMPONENT BASED ON SEMI-CONDUCTOR OPTICAL AMPLIFIERS HAVING A REDUCED NUMBER OF INDEPENDENT ELECTRODES	6215935	4/10/01
Avanex Corporation	USA	OPTICAL CIRCULATOR OR SWITCH HAVING A BIREFRINGENT WEDGE POSITIONED BETWEEN FARADAY ROTATORS	6226115	5/1/01
Avanex Corporation	USA	TEMPERATURE STABILISATION OF A PREDISTORTER WITH VOLTAGE SUPPLY	6232817	5/15/01
Avanex Corporation	USA	MANAGEMENT AND UTILIZATION OF ASE IN OPTICAL AMPLIFIER	6233092	5/17/01
Avanex Corporation	USA	REFLECTION-TYPE OPTICAL CIRCULATOR UTILIZING A LENS AND BIREFRINGENT PLATES	6236506	5/22/01
Avanex Corporation	USA	MULTI-SECTION ELECTRO-OPTICAL MONOLITHIC COMPONENT	6236794	5/22/01

Avanex Corporation	USA	NARROW-BAND OPTICAL MODULATOR WITH REDUCED POWER REQUIREMENT	6243505	6/5/01
Avanex Corporation	USA	APPARATUS AND METHOD FOR AMPLIFYING AN OPTICAL SIGNAL	6246515	6/12/01
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL COMPONENT COMPRISING A SPOT-SIZE CONVERTER	6253009	6/26/01
Avanex Corporation	USA	SELF-CENTRING ARRANGEMENT OF MICROSTRUCTURED ELEMENTS	6255724	7/3/01
Avanex Corporation	USA	SEMICONDUCTOR PHASE MODULATOR	6256426	7/3/01
Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER UTILIZING A MULTI-STAGE PARALLEL CASCADE METHOD OF WAVELENGTH SEPARATION	6263126	7/17/01

Avanex Corporation	USA	HIGH-ISOLATION DENSE WAVELENGTH DIVISION MULTIPLEXER UTILIZING A POLARIZATION BEAM SPLITTER, NON-LINEAR INTERFEROMETERS AND BIREFRINGENT PLATES	6263129	7/17/01
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL COMPONENT AND AMPLIFIER AND WAVELENGTH CONVERTER CONSISTING THEREOF	6271961	8/7/01
Avanex Corporation	USA	ASYMMETRIC LOW DISPERSION BRAGG GRATING FILTER	6278817	8/21/01
Avanex Corporation	USA	TWO-PART DEVICE AND METHOD FOR PROTECTING OPTOELECTRONIC UNITS	6280101	8/28/01
Avanex Corporation	USA	OPTICAL COMPONENT OF THE WAVEGUIDE ARRAY SPECTROGRAPH TYPE, HAVING CENTERED OUTLET CHANNELS	6289146	9/11/01

Avanex Corporation	USA	OPTICAL FIBER INCLUDING A SHORT FILTER	6292606	9/18/01
Avanex Corporation	USA	WAVELENGTH-LOCKED EXTERNAL CAVITY LASERS WITH AN INTEGRATED MODULATOR	6295308	9/25/01
Avanex Corporation	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATIC DISPERSION	6296361	10/2/01
Avanex Corporation	USA	GAINASP/AIGAINP LASER DIODES WITH AIGAS TYPE II CARRIER BLOCKING LAYER IN THE WAVEGUIDE	6298077	10/2/01
Avanex Corporation	USA	LASER DIODES WITH COMPOSITE MATERIAL SYSTEMS WHICH DECOUPLE REFRACTIVE INDEX AND BAND GAP PROFILES	6298078	10/2/01
Avanex Corporation	USA	CONTROLLED STRESS THERMAL COMPENSATION FOR FILTERS	6304383	10/16/01



Avanex Corporation	USA	L-BAND AMPLIFICATION WITH DETUNED 980NM PUMP	6307669	10/23/01
Avanex Corporation	USA	PUMP POWER CONTROL FOR OPTICAL FIBER AMPLIFIER	6307670	10/23/01
Avanex Corporation	USA	METHOD OF FABRICATING AN OPTICAL INTEGRATED CIRCUIT	6309904	10/30/01
Avanex Corporation	USA	DENSE WAVELENGTH DIVISION MULTIPLEXER UTILIZING AN ASYMMETRIC PASS BAND INTERFEROMETER	6310690	10/30/01
Avanex Corporation	USA	AMPLIFIER SYSTEM WITH A DISCRETE RAMAN FIBER AMPLIFIER MODULE	6310716	10/30/01
Avanex Corporation	USA	SEMI CONDUCTOR OPTICAL AMPLIFIER	6310719	10/30/01
Avanex Corporation	USA	FILTERING OPTICAL FIBER HAVING A MODIFIED PHOTSENSITIVITY PROFILE	6314221	11/6/01
Avanex Corporation	USA	OPTICAL PHASE CONTROLLER AND OPTICAL SWITCH	6317526	11/13/01

Avanex Corporation	USA	THERMAL TUNING OF OPTICAL AMPLIFIERS AND USE OF SAME IN WAVELENGTH DIVISION MULTIPLEXED SYSTEMS	6320693	11/20/01
Avanex Corporation	USA	FILTER OPTICAL WAVEGUIDE WITH INCLINATION AND LINEAR CHIRP	6321008	11/20/01
Avanex Corporation	USA	OPERATING POINT ADJUSTMENT FOR A DIODE OF A DIODE NETWORK BY MEANS OF VOLTAGE INJECTION	6323726	11/27/01
Avanex Corporation	USA	SIGNAL BAND ANTIREFLECTION COATING FOR PUMP FACET IN FIBER AMPLIFIER SYSTEM	6330264	12/11/01
Avanex Corporation	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATIC DISPERSION	6332689	12/25/01

Avanex Corporation	USA	MODULATOR OF THE MACH-ZEHNDER TYPE HAVING A VERY HIGH EXTINCTION RATIO	6334005	12/25/01
Avanex Corporation	USA	DEVICE FOR FORMATTING BINARY OPTICAL SIGNALS	6335813	1/1/02
Avanex Corporation	USA	OPTICAL COMPONENT WITH POLARIZATION-MAINTAINING FIBER PIGTAIL SPLICE TO REGULAR FIBER WITH GRATING	6337874	1/8/02
Avanex Corporation	USA	PERFORMANCE GAIN FLATTENED ERBIUM-DOPED FIBER AMPLIFIERS	6341033	1/22/02
Avanex Corporation	USA	CROSSTALK SUPPRESSION IN A MULTIPATH OPTICAL AMPLIFIER	6342966	1/29/02
Avanex Corporation	USA	THREE-PORT FILTER AND METHOD OF MANUFACTURE	6343166	1/29/02
Avanex Corporation	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATIC DISPERSION	6343866	2/5/02

Avanex Corporation	USA	PROCESS FOR PRODUCING PLANAR WAVEGUIDE STRUCTURES AS WELL AS WAVEGUIDE STRUCTURE	6356694	3/12/02
Avanex Corporation	USA	OPTOELECTRONIC MODULE AND METHOD FOR STABILIZING ITS TEMPERATURE	6359330	3/19/02
Avanex Corporation	USA	PUMP DEVICE FOR PUMPING AN ACTIVE FIBER OF AN OPTICAL AMPLIFIER AND CORRESPONDING OPTICAL AMPLIFIER	6359728	3/19/02
Avanex Corporation	USA	OPTICAL FIBER COUPLER ASSEMBLY	6364543	4/2/02
Avanex Corporation	USA	DENSE WAVELENGTH DIVISION MULTIPLEXER / DEMULTIPLEXER WITH PARALLEL SEPARATION OF WAVELENGTHS UTILIZING GLASS BLOCK INTERRUPTION OF THE OPTIC SIGNAL	6370296	4/9/02
Avanex Corporation	USA	LONG BAND OPTICAL AMPLIFIER	6381063	4/30/02

Avanex Corporation	USA	FIBER BRAGG GRATING OPTICAL FILTER WITH A CONSTANT GROUP-DELAY RESPONSE IN ITS WORKING BAND	6381069	4/30/02
Avanex Corporation	USA	OPTICAL COMPONENT HAVING A CHEMICALLY ETCHED GUIDE WITH A RIDGE STRUCTURE AND ITS METHOD OF MANUFACTURE	6383830	5/7/02
Avanex Corporation	USA	OPTICAL MODULATOR	6384954	5/7/02
Avanex Corporation	USA	NARROW BAND WAVELENGTH DIVISION MULTIPLEXER AND METHOD OF MULTIPLEXING OPTICAL SIGNALS	6388783	5/14/02
Avanex Corporation	USA	TUNABLE CHROMATIC DISPERSION COMPENSATOR UTILIZING A VIRTUALLY IMAGED PHASED ARRAY AND FOLDED LIGHT PATHS	6392807	5/21/92

Avanex Corporation	USA	DENSE WAVELENGTH DIVISION MULTIPLEXER WHICH INCLUDES A DENSE OPTICAL CHANNEL COMB FILTER	6393176	5/21/02
Avanex Corporation	USA	METHOD AND APPARATUS FOR LATCHED BIMORPH OPTICAL SWITCHS	6394617	5/28/02
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE BIREFRINGENT PLATES AND A NON-LINEAR INTERFEROMET ER	6396629	5/28/02
Avanex Corporation	USA	PUMP LASER WITH LOW GRATING REFLECTIVITY	6400746	6/4/02

Avanex Corporation	USA	PHOTOSENSITIVE OPTICAL FIBER FOR A BRAGG GRATING FILTER, A METHOD OF FABRICATING SAID FIBER, AND A CHROMATIC DISPERSION AND CHROMATIC DISPERSION SLOPE COMPENSATOR INCLUDING A FIBER OF THIS KIND	6400868	6/4/02
Avanex Corporation	USA	OPTICAL AND PROGRAMMABLE FIBER OPTIC WAVELENGTH ADD/DROP SYSTEM	6407839	6/18/02
Avanex Corporation	USA	INTEGRATED OPTICAL COMPONENT	6411763	6/25/02
Avanex Corporation	USA	REDUCED SMEARING OPTRONIC TRANSCEIVER	6414298	7/2/02
Avanex Corporation	USA	OPTICAL WAVEGUIDE AMPLIFIER OPTICAL SERVICE CHANNEL ACCESSOR DEVICE AND METHOD OF MAKING	6417962	7/9/02

Avanex Corporation	USA	RECONFIGURABLE AUTOMATIC GAIN CONTROL AND METHOD FOR OPTICAL AMPLIFIER	6417964	7/9/02
Avanex Corporation	USA	APPARATUS AND METHOD OF MAKING A BLOCKLESS OPTICAL MULTIPLEXING DEVICE	6418250	7/9/02
Avanex Corporation	USA	LONG BAND OPTICAL AMPLIFIER	6421172	7/16/02
Avanex Corporation	USA	OPTICAL MONITORING IN OPTICAL INTERFEROMETRIC MODULATORS	6421483	7/16/02
Avanex Corporation	USA	MULTIWAVELENGTH DISTRIBUTED BRAGG REFLECTOR PHASED ARRAY LASER	6434175	8/13/02
Avanex Corporation	USA	PIEZO-ACTUATOR BASED OPTICAL ADD/DROP MODULE	6437929	8/20/02
Avanex Corporation	USA	APPARATUS AND METHOD FOR CHANNEL MONITORING IN A HYBRID DISTRIBUTED RAMAN/EDFA OPTICAL AMPLIFIER	6441952	8/27/02



Avanex Corporation	USA	L BAND MULTISTAGE AMPLIFIER WITH IMPROVED NOISE FIGURE	6441953	8/27/02
Avanex Corporation	USA	OPTICAL AMPLIFIER WITH WIDE FLAT GAIN DYNAMIC RANGE	6441954	8/27/02
Avanex Corporation	USA	METHOD AND SYSTEM FOR TESTING A TUNABLE CHROMATIC DISPERSION, DISPERSION SLOPE, AND POLARIZATION MODE DISPERSION COMPENSATOR UTILIZING A VIRTUALLY IMAGED PHASED ARRAY	6441959	8/27/02
Avanex Corporation	USA	OPTICAL FILTER WITH LITTLE VARIATION IN CHROMATIC DISPERSION	6441962	8/27/02
Avanex Corporation	USA	BALANCED GAIN FLATTENING FILTERS	6445493	9/3/02

Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER FOR SEPARATING AND COMBINING OPTICAL CHANNELS A POLARIZATION BEAM SPLITTER AND A NONLINEAR INTERFEROMETER	6453089	9/17/02
Avanex Corporation	USA	METHOD OF MAKING AN OPTICAL FIBER COLLIMATING DEVICE	6454465	9/24/02
Avanex Corporation	USA	APPARATUS FOR LIMITING NOISE IN THE ZEROS OF RZ OPTICAL SIGNALS	6456759	9/24/02
Avanex Corporation	USA	L BAND AMPLIFIER WITH DISTRIBUTED FILTERING	6459526	10/1/02
Avanex Corporation	USA	OPTICAL PASSIVE COMPONENTS AND BI-DIRECTIONAL AMPLIFIER	6459528	10/1/02
Avanex Corporation	USA	WDM UTILIZING DIFFRACTION GRATINGS WITH POLARIZATION DEPENDENT LOSS COMPENSATION	6459831	10/1/02

Avanex Corporation	USA	METHOD AND APPARATUS FOR OPTICAL SWITCHING DEVICES UTILIZING A BI-MORPHIC PIEZOELECTRIC APPARATUS	6463189	10/8/02
Avanex Corporation	USA	MULTIPLE WAVELENGTH SOURCE	6466345	10/15/02
Avanex Corporation	USA	LIGHT AMPLIFIER DEVICE	6473225	10/29/02
Avanex Corporation	USA	THULIUM DOPED FIBER AMPLIFIER PUMPING SCHEME	6476960	11/5/02
Avanex Corporation	USA	SUBMOUNT, ELECTRONIC ASSEMBLY AND PROCESS FOR PRODUCING THE SAME	6479759	11/12/02
Avanex Corporation	USA	REFLECTION-TYPE POLARIZATION-INDEPENDENT OPTICAL ISOLATOR, OPTICAL ISOLATOR/AMPLIFIER/MONITOR, AND OPTICAL SYSTEM	6480331	11/12/02

Avanex Corporation	USA	METHOD, SYSTEM AND APPARATUS FOR CHROMATIC DISPERSION COMPENSATION UTILIZING A GIRES-TOURNOIS INTERFEROMETER	6487342	11/26/02
Avanex Corporation	USA	COMPOSITE OPTICAL AMPLIFIER	6490077	12/3/02
Avanex Corporation	USA	BIDIRECTIONAL OPTICAL AMPLIFIER	6490386	12/3/02
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND NON-LINEAR INTERFEROMETERS	6493141	12/10/02
Avanex Corporation	USA	METHOD OF MANUFACTURING A DOUBLE-HETEROJUNCTION BIPOLAR TRANSISTOR ON III-V MATERIAL	6495869	12/17/02
Avanex Corporation	USA	REGENERATOR WITH RECONSTITUTION OF AN OPTICAL SIGNAL CARRIER WAVE	6498671	12/24/02
Avanex Corporation	USA	OPTICAL FIBRE AMPLIFIER	6498678	12/24/02

Avanex Corporation	USA	STABILIZATION OF A LASER ARRAY MODULE	6501773	12/31/02
Avanex Corporation	USA	METHOD AND SYSTEM FOR COMPENSATING FOR CHROMATIC DISPERSION IN AN OPTICAL NETWORK	6515779	2/4/03
Avanex Corporation	USA	TECHNIQUES FOR MAKING AN INSERTION LOSS CORRECTION IN AN OPTICAL FIBER AMPLIFIER	6515794	2/4/03
Avanex Corporation	USA	OPTICAL AMPLIFIER AND OPTICAL TRANSMISSION SYSTEM	6519080	2/11/03
Avanex Corporation	USA	METHOD OF OPERATING A NOISE-COMPENSATING GAIN CONTROLLER FOR AN OPTICAL AMPLIFIER	6519081	2/11/03
Avanex Corporation	USA	ATHERMALIZED INTEGRATED OPTICAL WAVEGUIDE DEVICES	6519380	2/11/03
Avanex Corporation	USA	MULTI-SECTION OPTO-ELECTRONIC COMPONENT	6521471	2/18/03

Avanex Corporation	USA	ARRANGEMENT CONSISTING OF A PHOTODIODE AND AN OPTICAL FIBER	6524017	2/25/03
Avanex Corporation	USA	SWITCHABLE INTERLEAVED OPTICAL CHANNEL SEPARATOR AND ISOLATOR DEVICE AND OPTICAL SYSTEMS UTILIZING SAME	6525848	2/25/03
Avanex Corporation	USA	OPTICAL AMPLIFIERS WITH A SIMPLE GAIN/OUTPUT CONTROL DEVICE	6525873	2/25/03
Avanex Corporation	USA	METHOD FOR STABILIZING TEMPERATURE OF AN OPTOELECTRONIC MODULE	6528329	3/4/03
Avanex Corporation	USA	SELECTIVE INTENSITY MODULATION OF CHANNELS IN A MULTIPLEXED OPTICAL COMMUNICATION SYSTEM	6529307	3/4/03
Avanex Corporation	USA	MANUAL VARIABLE OPTICAL ATTENUATOR AND METHOD	6529673	3/4/03
Avanex Corporation	USA	BI-DIRECTIONAL POLARIZATION-INDEPENDENT OPTICAL ISOLATOR	6532316	3/11/03

Avanex Corporation	USA	MULTI-WAVELENGTH LASER LIGHT SOURCE	6535542	3/18/03
Avanex Corporation	USA	COMPENSATION OF POLARIZATION MODE DISPERSION OF A GRATING WRITTEN IN AN OPTICAL FIBER	6535669	3/18/03
Avanex Corporation	USA	BI-DIRECTIONAL OPTICAL CIRCULATOR AND APPLICATIONS THEREOF	6538815	3/25/03
Avanex Corporation	USA	GAIN SATURATION TUNING IN OPTICAL AMPLIFIERS	6542289	4/1/03
Avanex Corporation	USA	THERMAL RIPPLE-COMPENSATING, GAIN-FLATTENING FILTER FOR AN OPTICAL AMPLIFIER	6545798	4/8/03
Avanex Corporation	USA	TAPPED DELAY LINE BASED GAIN FLATTENING FILTER	6546158	4/8/03
Avanex Corporation	USA	METHOD AND APPARATUS FOR COMPENSATING DIFFERENTIAL GROUP DELAY	6546159	4/8/03

Avanex Corporation	USA	METHOD OF STABILIZING THE WAVELENGTH OF LASERS AND A WAVELENGTH MONITOR	6549549	4/15/03
Avanex Corporation	USA	METHOD AND APPARATUS FOR ASYMMETRIC MULTIPLEXING AND DEMULTIPLEXING OF OPTICAL SIGNALS UTILIZING A DIFFRACTION GRATING	6553160	4/22/03
Avanex Corporation	USA	TUNABLE CHROMATIC DISPERSION, DISPERSION SLOPE, AND POLARIZATION MODE DISPERSION COMPENSATOR UTILIZING A VIRTUALLY IMAGED PHASED ARRAY	6556320	4/29/03
Avanex Corporation	USA	MEMS SEE-SAW ARRAY FOR DYNAMIC GAIN EQUALIZATION OF DWDM SYSTEMS	6556766	4/29/03
Avanex Corporation	USA	OPTICAL AMPLIFIER APPARATUS	6563630	5/13/03



Avanex Corporation	USA	FIBER OPTIC DENSE WAVELENGTH DIVISION MULTIPLEXER UTILIZING A MULTI-STAGE PARALLEL CASCADE METHOD OF WAVELENGTH SEPARATION	6567581	5/20/03
Avanex Corporation	USA	DUAL FIBER COLLIMATOR	6567586	5/20/03
Avanex Corporation	USA	ELECTROABSORPTION MODULATED LASER	6574260	6/30/03
Avanex Corporation	USA	TAPPED DELAY LINE-BASED CONFIGURABLE SPECTRAL FILTER WITH IN-SITU MONITORING	6574380	6/3/03
Avanex Corporation	USA	METHOD OF MATCHING OPTICAL ELEMENTS AND FIBER FERRULES	6582135	6/24/03
Avanex Corporation	USA	OPTICAL AMPLIFIER SITE WITH REDUCED NOISE AND TRANSMISSION SYSTEM UTILIZING SUCH	6583922	6/24/03
Avanex Corporation	USA	METHOD OF FABRICATING A COMPONENT WITH CRYSTALLINE SILICON SUBSTRATE	6584807	7/1/03

Avanex Corporation	USA	COLLIMATOR ARRAY AND METHOD AND SYSTEM FOR ALIGNING OPTICAL FIBERS TO A LENS ARRAY	6587618	7/1/03
Avanex Corporation	USA	OPTICAL WAVELENGTH ROUTER USING REFLECTIVE SURFACES TO DREFLECTION-TYPE OPTICAL CIRCULATOR UTILIZING A LENS AND BIREFRINGENT PLATES IRECT OUTPUT SIGNALS	6594082	7/15/03
Avanex Corporation	USA	REFLECTION-TYPE OPTICAL CIRCULATOR UTILIZING A LENS AND BIREFRINGENT PLATES	6597503	7/22/03
Avanex Corporation	USA	OPTICAL AMPLIFYING UNIT AND OPTICAL TRANSMISSION SYSTEM	6603598	8/5/03
Avanex Corporation	USA	METHOD FOR CONTROLLING PERFORMANCE OF OPTICAL AMPLIFIERS	6606191	8/12/03

Avanex Corporation	USA	DEVICE INCLUDING A SATURABLE ABSORBER FOR REGENERATING A WAVELENGTH-DIVISION MULTIPLEX SIGNAL	6609839	8/26/03
Avanex Corporation	USA	SINGLE PARAMETER GAIN SLOPE ADJUSTER FOR AN OPTICAL SYSTEM	6611371	8/26/03
Avanex Corporation	USA	SWITCHABLE INTERLEAVED CHANNEL SEPARATOR DEVICES AND SYSTEMS	6614573	9/2/03
Avanex Corporation	USA	CONTROL METHODS FOR A METRO OPTICAL AMPLIFIER	6614587	9/2/03
Avanex Corporation	USA	ENABLER OF LARGE RAMAN GAIN ON SMALL EFFECTIVE AREA FIBERS	6618191	9/9/02
Avanex Corporation	USA	OPTICAL NODE INCLUDING THREE-STAGE OPTICAL AMPLIFIER WITH AUTOMATIC GAIN AND LEVEL CONTROL	6621625	8/27/02

Avanex Corporation	USA	WAVELENGTH STABILIZATION MONITOR AND METHOD FOR ADJUSTING THE WORKING WAVELENGTH OF SAID MONITOR	6621837	9/16/03
Avanex Corporation	USA	OPTICAL NRZ-RZ FORMAT CONVERTER	6625338	9/23/08
Avanex Corporation	USA	OPTICAL DIFFERENTIATION DEVICE	6628855	9/30/03
Avanex Corporation	USA	UNIVERSAL CONTROLLER FOR AN OPTICAL AMPLIFIER THAT OPERATES OVER A WIDE DYNAMIC RANGE OF OPTICAL SIGNALS AND OPTICAL AMPLIFIERS UTILIZING SUCH CONTROLLERS	6631027	10/7/03
Avanex Corporation	USA	MODAL FIELD CONVERTER FOR A HIGHLY EFFICIENT COUPLING IN OPTICAL MODULES	6633705	10/14/03
Avanex Corporation	USA	HERMETIC SEAL FEED-THROUGH ASSEMBLY FOR OPTICAL FIBER	6633720	10/14/03

Avanex Corporation	USA	OPTICAL AMPLIFIER WITH REDUCED NON-LINEAR SIGNAL IMPAIRMENTS BY OPTIMUM PUMPING CONFIGURATION AND METHOD FOR USING SAME	6643057	11/4/03
Avanex Corporation	USA	PUMPING METHOD AND UNIT FOR OPTICAL AMPLIFIERS	6643058	11/4/03
Avanex Corporation	USA	AN ELECTRIC OR OPTO-ELECTRIC COMPONENT WITH A PACKAGING OF PLASTIC AND A METHOD FOR VARYING THE IMPEDANCE OF A TERMINAL LEAD OF THE COMPONENT BY ATTACHING A DIELECTRIC PLATE TO AT LEAST ONE TERMINAL LEAD	6643418	11/4/03
Avanex Corporation	USA	SINGLE PARAMETER GAIN SLOPE ADJUSTER FOR AN OPTICAL SYSTEM	6646789	11/11/03

Avanex Corporation	USA	OPTICAL INTERFEROMETRIC MODULATOR INTEGRATED WITH OPTICAL MONITORING MECHANISM	6647185	11/11/03
Avanex Corporation	USA	REVERSIBLE OPTICAL CIRCULATOR UTILIZING A BI-MORPHIC PIEZOELECTRIC APPARATUS	6650801	11/18/03
Avanex Corporation	USA	OPTICAL DEVICES ENGAGED TO FIBERS WITH ANGLE-POLISHED FACETS	6654517	11/25/03
Avanex Corporation	USA	AMPLIFIER SYSTEM WITH DISTRIBUTED AND DISCRETE RAMAN FIBER AMPLIFIERS	6657774	12/2/03
Avanex Corporation	USA	COPLANAR WAVEGUIDE WITH A LOW CHARACTERISTIC IMPEDANCE ON A SILICON SUBSTRATE USING A MATERIAL WITH A HIGH DIELECTRIC CONSTANT	6677838	1/13/04
Avanex Corporation	USA	BIREFRINGENCE-FREE PASSIVE OPTICAL COMPONENT	6678454	1/13/04

Avanex Corporation	USA	TEMPERATURE-STABILIZED OPTICAL AMPLIFIER AND METHOD FOR TEMPERATURE-STABILIZING AN OPTICAL AMPLIFIER	6680793	1/20/04
Avanex Corporation	USA	VARIABLE GAIN OPTICAL AMPLIFIER AND CONTROL METHOD	6687045	2/3/04
Avanex Corporation	USA	OPTICAL FIBER AMPLIFIER DEVICE AND COMMUNICATIONS SYSTEM USING THE OPTICAL FIBER AMPLIFIER DEVICE	6687046	2/3/04
Avanex Corporation	USA	DEVICE FOR COMPARING WAVELENGTH VALUES AND MULTIPLEXING AND A SYSTEM FOR MONITORING MONOCHROMATIC SOURCES	6690859	2/10/04
Avanex Corporation	USA	ELECTRO-OPTIC MODULATOR HAVING HIGH BANDWIDTH AND LOW DRIVE VOLTAGE	6700691	3/2/04
Avanex Corporation	USA	INTEGRATED WAVELENGTH DIVISION MULTIPLEXED RECEIVER ARRAY HAVING PLUGGABLE TRANSMITTERS	6704520	3/9/04

Avanex Corporation	USA	MICRO ELECTROMECHANICAL SYSTEM AND METHOD FOR TRANSMISSIVELY SWITCHING OPTICAL SIGNALS	6714700	3/30/04
Avanex Corporation	USA	LARGE SURFACE AMPLIFIER WITH MULTIMODE INTERFEROMETER	6718094	4/6/04
Avanex Corporation	USA	SWITCHABLE INTERLEAVED CHANNEL SEPARATOR DEVICES AND SYSTEMS	6721078	4/13/04
Avanex Corporation	USA	SELF-ADJUSTING OPTICAL ADD-DROP MULTIPLEXER AND OPTICAL NETWORKS USING SAME	6721509	4/13/04
Avanex Corporation	USA	SYNTHESIS OF OPTICAL DISPERSION COMPENSATORS AND METHODS USING A SERIES OF GT CAVITIES	6724482	4/20/04
Avanex Corporation	USA	GAIN CONTROL IN RAMAN AMPLIFIERS	6724524	4/20/04
Avanex Corporation	USA	OPTICAL COUPLING DEVICE	6724960	4/20/04



Avanex Corporation	USA	METHOD AND APPARATUS FOR MULTI-PASS PHOTONIC PROCESSORS WITH CIRCULATORS AND MULTIPLE-FIBER COLLIMATORS	6728440	4/27/04
Avanex Corporation	USA	OPTICAL SYSTEMS EMPLOYING ANAMORPHIC BEAMS AND DIFFRACTION GRATINGS	6728488	4/27/04
Avanex Corporation	USA	METHODS OF MAKING A MULTIPLE-PORT OPTICAL PACKAGE LOW-STRESS INNER LAYER STRUCTURE FOR OPTOELECTRONIC HOUSING	6729770	5/4/04
Avanex Corporation	USA	LOW-STRESS INNER LAYER STRUCTURE FOR OPTOELECTRONIC HOUSING	6736554	5/18/04
Avanex Corporation	USA	OPTICAL FIBER CLAMPING METHOD TO HOLD FIBER CABLE WHILE PROVIDING SOME RETRACT DISTANCE ACROSS MODULE UNIT	6741784	5/25/04
Avanex Corporation	USA	OPTICAL WAVELENGTH TUNABLE FILTER	6744941	6/1/04

Avanex Corporation	USA	METHOD, SYSTEM AND APPARATUS FOR CHROMATIC DISPERSION COMPENSATION UTILIZING A GIRES-TOURNOIS INTERFEROMETER	6748140	6/8/04
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER	6751015	6/15/04
Avanex Corporation	USA	BURIED RIBBON SEMICONDUCTOR LASER AND A METHOD OF FABRICATION	6751246	6/15/04
Avanex Corporation	USA	BRAGG GRATING FILTER OPTICAL WAVEGUIDE DEVICE	6757462	6/29/04
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND NON-LINEAR INTERFEROMETERS	6760158	7/6/04
Avanex Corporation	USA	COPLANAR INTEGRATED OPTICAL WAVEGUIDE ELECTRO-OPTICAL MODULATOR	6760493	7/6/04

Avanex Corporation	USA	MULTIPLE -PORT OPTICAL PACKAGE AND DWDM MODULE	6760516	7/6/04
Avanex Corporation	USA	FIBER GRATING OPTICAL WAVEGUIDE DEVICE	6760518	7/6/04
Avanex Corporation	USA	ELECTRO-OPTIC MODULATORS WITH INTERNAL IMPEDANCE MATCHING	6763151	7/13/04
Avanex Corporation	USA	OPTICAL FIBER EQUIPMENT WITH A BRAGG GRATING TUNEABLE BY A PIEZOELECTRIC ACTUATOR	6763152	7/13/04
Avanex Corporation	USA	METHOD OF STRIPPING AN OPTICAL FIBER	6763872	7/20/04
Avanex Corporation	USA	PRECISION FIBER FERRULES	6764224	7/20/04
Avanex Corporation	USA	FIBRE GRATING OPTICAL WAVEGUIDE DEVICE	6766079	7/20/04
Avanex Corporation	USA	SIX-PORT OPTICAL PACKAGE AND METHOD OF MANUFACTURING	6767139	7/27/04
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL COMPONENT AND A METHOD OF FABRICATING IT	6777768	8/17/04

Avanex Corporation	USA	COMPOSITE OPTICAL AMPLIFIER	6778320	8/17/04
Avanex Corporation	USA	WDM UTILIZING GRATING-BASED CHANNEL SEPARATORS	6778780	8/17/04
Avanex Corporation	USA	ATTENUATOR INTEGRATED WITH MODULATOR AND TRANSMITTING MODULE FOR WDM SYSTEMS USING THE SAME	6785434	8/31/04
Avanex Corporation	USA	FIBER OPTIC SIGNAL DETECTOR WITH TWO SWITCHABLE INPUT CHANNELS	6787745	9/7/04
Avanex Corporation	USA	BROAD-BAND BIASING SYSTEM FOR BIASING AN ELECTRONIC CIRCUIT AND AN AMPLIFIER INCORPORATING THE SYSTEM	6788149	9/7/04
Avanex Corporation	USA	OPTICAL CAVITY RESONATING OVER A CONTINUOUS RANGE OF FREQUENCIES	6795623	9/21/04
Avanex Corporation	USA	SEMICONDUCTOR LASER	6807212	10/19/04

Avanex Corporation	USA	ADJUSTABLE TEMPERATURE COMPENSATING PACKAGE FOR OPTICAL FIBER DEVICES	6807341	10/19/04
Avanex Corporation	USA	SATURABLE OPTICAL ABSORBER, AND AN APPLICATION THEREOF TO REGENERATING A WAVELENGTH DIVISION MULTIPLEXED SIGNAL	6807357	10/19/04
Avanex Corporation	USA	PUMP POWER MONITOR SYSTEM AND METHOD FOR GAIN CONTROL OF OPTICAL AMPLIFIER	6810173	10/26/04
Avanex Corporation	USA	OPTICAL WAVEGUIDE PHASE SHIFTER	6816635	11/9/04
Avanex Corporation	USA	IN-FIBER CONTINUOUSLY CHIRPED GAIN FLATTENING FILTERS AND METHOD	6819833	11/16/04
Avanex Corporation	USA	LARGE SURFACE AMPLIFIER WITH MULTIMODE INTERFEROMETER	6819838	11/16/04
Avanex Corporation	USA	LASER THAT CAN BE TUNED QUICKLY OVER A WIDE BAND	6822981	11/23/04

Avanex Corporation	USA	GAIN FLATTENING OPTICAL FILTER, OPTICAL AMPLIFIER COMPRISING SUCH AN OPTICAL FILTER AND METHOD FOR MANUFACTURING SUCH AN OPTICAL FILTER	6834144	12/21/04
Avanex Corporation	USA	UNIVERSAL CONTROLLER FOR AN OPTICAL AMPLIFIER THAT OPERATES OVER A WIDE DYNAMIC RANGE OF OPTICAL SIGNALS AND OPTICAL AMPLIFIERS UTILIZING SUCH CONTROLLERS	6836355	12/28/04
Avanex Corporation	USA	OPTICAL COUPLING DEVICE	6836595	12/28/04
Avanex Corporation	USA	APPARATUS AND METHOD FOR MAKING AN OPTICAL FIBER AMPLIFIER	6839163	1/4/05
Avanex Corporation	USA	OPTICAL DEVICE WITH WAVELENGTH MONITOR	6847664	1/25/05
Avanex Corporation	USA	PACKAGE FOR OPTICAL FILTER DEVICE	6850669	2/1/05

Avanex Corporation	USA	MICROWAVE ELECTRONIC DEVICES COMPRISING A METAL ENCLOSURE	6853073	2/8/05
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND NON-LINEAR INTERFEROMETERS	6853487	2/8/05
Avanex Corporation	USA	REFLECTION-TYPE OPTICAL CIRCULATOR UTILIZING A LENS AND BIREFRINGENT PLATES	6853488	2/8/05
Avanex Corporation	USA	RAMAN AMPLIFIERS WITH IMPROVED SIGNAL POWER MANAGEMENT	6862135	3/1/05
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND NON-LINEAR INTERFEROMETERS	6865024	3/8/05
Avanex Corporation	USA	EDGE-EMITTING SEMICONDUCTOR TUNABLE LASER	6865195	3/8/05

Avanex Corporation	USA	METHOD AND APPARATUS FOR REDUCING MULTI-PATH INTERFERENCE IN DISPERSION COMPENSATION SYSTEMS	6865303	3/8/05
Avanex Corporation	USA	METHOD AND APPARATUS FOR TUNABLE INTERFEROMETER UTILIZING VARIABLE AIR DENSITY	6867868	3/15/05
Avanex Corporation	USA	OPTICAL AMPLIFIER DEVICE	6867911	3/15/05
Avanex Corporation	USA	MONOLITHIC INTEGRATED OPTICAL COMPONENT INCLUDING A MODULATOR AND A HETEROJUNCTION BIPOLAR TRANSISTOR	6870977	3/22/05
Avanex Corporation	USA	METHOD OF FORMING A SEMICONDUCTOR COMPONENT	6872253	3/29/05
Avanex Corporation	USA	DYNAMIC GAIN EQUALISING FILTER	6873765	3/29/05
Avanex Corporation	USA	MODAL FIELD CONVERTER FOR A HIGHLY EFFICIENT COUPLING IN OPTICAL MODULES	6876795	4/5/05



Avanex Corporation	USA	METHOD OF ANALOG MODULATION AND OPTICAL EMITTER USING THIS METHOD	6879422	4/12/05
Avanex Corporation	USA	SPHERICAL LENS AND OPTOELECTRONIC MODULE COMPRISING THE SAME	6879621	4/12/05
Avanex Corporation	USA	APPARATUS AND METHOD FOR MULTIPLEXING AND DE-MULTIPLEXING OPTICAL SIGNALS EMPLOYING ANAMORPHIC BEAMS AND DIFFRACTION GRATINGS	6882775	4/19/05
Avanex Corporation	USA	FULL-DUPLEX OPTICAL ADD/DROP COMMUNICATIONS SYSTEM UTILIZING CENTRAL LIGHT SOURCES	6885821	4/26/05
Avanex Corporation	USA	METHOD OF EXTENDING THE CAPTURE RANGE OF A WAVELENGTH MONITOR AND A WAVELENGTH MONITOR AND LASER SYSTEM THEREFOR	6894789	5/17/05
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER	6894833	5/17/05

Avanex Corporation	USA	INVERSION LEVEL CONTROLLER AND SYSTEM FOR OPTICAL AMPLIFIERS	6900934	5/31/05
Avanex Corporation	USA	ELECTRO-OPTIC MODULATORS WITH INTERNAL IMPEDANCE MATCHING	6909817	6/21/05
Avanex Corporation	USA	SLANTED BRAGG GRATING OPTICAL FIBER AND PROCESS FOR MANUFACTURING SUCH A FIBER	6915042	7/5/05
Avanex Corporation	USA	INTEGRATED OPTICAL DIRECTIONAL COUPLER	6920266	7/19/05
Avanex Corporation	USA	OPTICAL DEVICE FOR REDUCING TEMPERATURE RELATED SHIFT	6925231	8/2/05
Avanex Corporation	USA	CUSTOMER INTERFACE MODULE	6937385	8/30/05
Avanex Corporation	USA	OPTICAL MODE CONVERTER	6937789	8/30/05
Avanex Corporation	USA	OPTICAL AMPLIFIER PERFORMANCE CONTROLLER AND METHOD OF USE	6943937	9/13/05
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL COMPONENT	6944198	9/13/05

Avanex Corporation	USA	DYNAMIC WAVELENGTH-SELECTIVE OPTICAL ADD-DROP SWITCHES	6947628	9/20/05
Avanex Corporation	USA	OPTICAL MODULE AND A METHOD FOR MANUFACTURING AN OPTICAL MODULE	6950575	9/27/05
Avanex Corporation	USA	LASER WITH WIDE OPERATING TEMPERATURE RANGE	6952437	10/4/05
Avanex Corporation	USA	APODISED COMPLEX FILTER	6954567	10/11/05
Avanex Corporation	USA	MONOLITHIC SEMICONDUCTOR COMPONENT FOR REGENERATING OPTICAL SIGNALS	6954594	10/11/05
Avanex Corporation	USA	OPTICAL INTERLEAVER	6956988	10/18/05
Avanex Corporation	USA	PRECISION FIBER FERRULES	6960026	11/1/05
Avanex Corporation	USA	OPTICAL PACKAGE WITH CASCADED FILTERING	6961496	11/1/05
Avanex Corporation	USA	COUPLING DEVICE FOR THE ALIGNMENT OF AN OPTICAL WAVEGUIDE	6961498	11/1/05

Avanex Corporation	USA	METHOD FOR MANUFACTURING AN OPTICAL MODULE AND OPTICAL MODULE	6974719	12/13/05
Avanex Corporation	USA	STRAY LIGHT ABSORBER	6990275	1/24/06
Avanex Corporation	USA	METHOD AND APPARATUS FOR A LATCHABLE AND PLUGGABLE ELECTRONIC AND OPTICAL MODULE	6991481	1/31/06
Avanex Corporation	USA	WIDE-BAND RAMAN AMPLIFIERS	6992814	1/31/06
Avanex Corporation	USA	OPTICAL MODULES EMPLOYING GLASS-SEALED FIBER FEEDTHRU WITH C-SEAL	6993239	1/31/06
Avanex Corporation	USA	MICRO OPTO ELECTRO MECHANICAL DEVICE	7003192	2/21/06
Avanex Corporation	USA	MULTI-FUNCTIONAL OPTICAL DEVICE UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND NON-LINEAR INTERFEROMETERS	7009770	3/7/06

Avanex Corporation	USA	BIREFRINGENCE TRIMMING OF INTEGRATED OPTICAL DEVICES BY ELEVATED HEATING	7010198	3/7/06
Avanex Corporation	USA	ALL-OPTICAL REGENERATOR FOR RETIMING, RESHAPING AND RETRANSMITTING AN OPTICAL SIGNAL	7010234	3/7/06
Avanex Corporation	USA	REDUCING INSERTION LOSSES OF A WRITTEN IN GRATING WITH MODE COUPLING IN THE CLADDING	7024075	4/4/06
Avanex Corporation	USA	OPTICAL WAVEGUIDE AND METHOD FOR CREATING AN ASYMMETRICAL OPTICAL FILTER DEVICE	7035515	4/25/06
Avanex Corporation	USA	JOINT BETWEEN FIBRE AND SUPPORT WITH COLD WELD FOR AN OPTICAL MODULE	7035522	4/25/06
Avanex Corporation	USA	ALL-OPTICAL HIGH BIT-RATE MULTIPLEXER	7035542	4/25/06
Avanex Corporation	USA	METHOD AND APPARATUS FOR A FIBER OPTIC HOUSING AND ALIGNING DEVICE	7044648	5/16/06

Avanex Corporation	USA	INTERFEROMETERS FOR OPTICAL COMMUNICATIONS UTILIZING PHOTO-SENSITIVE MATERIALS	7046374	5/16/06
Avanex Corporation	USA	PASSIVE COMPENSATING COUPLING LASER DEVICE	7054527	5/30/06
Avanex Corporation	USA	INTEGRATED LASER WITH PEROT-FABRY CAVITY	7065120	6/20/06
Avanex Corporation	USA	STABLE MECHANICAL DEVICES FOR PRECISION OPTICAL ALIGNMENT AND PACKAGING	7073952	7/11/06
Avanex Corporation	USA	TUNABLE FILTER CONSISTING OF AN OPTICAL FIBER, AND A CORRESPONDING METHOD	7085439	8/1/06
Avanex Corporation	USA	PUMPING METHOD AND UNIT FOR OPTICAL AMPLIFIERS	7095554	8/22/06
Avanex Corporation	USA	INTEGRATED WAVELENGTH DIVISION MULTIPLEXED RECEIVER ARRAY HAVING PLUGGABLE TRANSMITTERS	7099591	8/29/06

Avanex Corporation	USA	APPARATUS AND SYSTEM FOR A RE-CONFIGURABLE CHANNEL DROPPING DEMULTIPLEXER	7102821	9/5/06
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL DEVICE ON AN INDIUM PHOSPHIDE SUBSTRATE FOR LONG OPERATING WAVELENGTHS	7109526	9/19/06
Avanex Corporation	USA	SYSTEM AND METHOD FOR DYNAMIC RANGE EXTENSION AND STABLE LOW POWER OPERATION OF OPTICAL AMPLIFIERS USING PUMP LASER PULSE MODULATION	7110167	9/19/06
Avanex Corporation	USA	FIBER OPTIC PIGTAIL DESIGN FOR REDUCING INSERTION LOSS AND INSERTION LOSS RIPPLE	7120337	10/10/06
Avanex Corporation	USA	ELECTRO-OPTICAL DEVICE	7127128	10/24/06
Avanex Corporation	USA	OPTICAL ROUTERS AND REDUNDANCY	7149426	12/12/06

Avanex Corporation	USA	METHOD AND STRUCTURE OF ELECTRIC FIELD POLING OF TI INDIFFUSED LINBO3 SUBSTRATES WITHOUT THE USE OF GRINDING PROCESS	7155102	12/26/06
Avanex Corporation	USA	OPTICAL MULTIPLEXER AND DEMULTIPLEXER APPARATUS UTILIZING MULTIPLE POLARIZATION BEAM SPLITTERS AND REFLECTION INTERFEROMETERS	7158697	1/2/07
Avanex Corporation	USA	SATURABLE LIGHT ABSORBER STRUCTURE AND A DEVICE INCORPORATING THE STRUCTURE FOR REGENERATING A WAVELENGTH DIVISION MULTIPLEXED SIGNAL	7158725	1/2/07
Avanex Corporation	USA	MULTI SECTION ELECTROOPTIC MONOLITHIC COMPONENT	7167498	1/23/07
Avanex Corporation	USA	STRUCTURE AND METHOD FOR MULTI-PORTS OPTICAL APPARATUS	7171073	1/30/07



Avanex Corporation	USA	FOCUSING DEVICE	7173767	2/6/07
Avanex Corporation	USA	APPARATUS, SYSTEM AND METHOD FOR AN ADIABATIC COUPLER FOR MULTI-MODE FIBER-OPTIC TRANSMISSION SYSTEMS	7184623	2/27/07
Avanex Corporation	USA	HERMETIC LID SEAL BY METAL PRESSING FOR FIBER OPTIC MODULE	7186912	3/6/07
Avanex Corporation	USA	MULTIPLE-PORT OPTICAL PACKAGE AND DWDM MODULE	7187826	3/6/07
Avanex Corporation	USA	METHOD AND APPARATUS FOR A FIBER OPTIC HOUSING AND ALIGNING DEVICE	7194167	3/20/07
Avanex Corporation	USA	INVERSE FOURIER TRANSFORM METHOD, PHASE CHARACTERISATION METHOD OF OPTICAL COMPONENTS FROM TRANSMISSION AND GROUP DELAY MEASUREMENTS AS WELL AS A SYSTEM FOR PERFORMING THE METHOD	7200630	4/3/07

Avanex Corporation	USA	METHOD, APPARATUS AND SYSTEM FOR A RE-CONFIGURABLE OPTICAL ADD-DROP MULTIPLEXER	7218857	5/15/07
Avanex Corporation	USA	OPTICAL SWITCH	7221818	5/22/07
Avanex Corporation	USA	SYSTEM FOR REDUCING THE ELECTRICAL RETURN LOSS OF A LITHIUM NIOBATE TRAVELING WAVE OPTICAL MODULATOR WITH LOW CHARACTERISTIC IMPEDANCE	7228014	6/5/07
Avanex Corporation	USA	OPTICAL ADD/DROP MULTIPLEXER UTILIZING VARIABLE OPTICAL ATTENUATOR	7236704	6/26/07
Avanex Corporation	USA	MULTI-INPUT WAVELOCKER FOR CONTROLLING LASER WAVELENGTHS OF MULTIPLE LASERS	7236709	6/26/07

Avanex Corporation	USA	APPARATUS AND METHOD FOR CONTROLLING EXTINCTION RATIO IN A LIQUID CRYSTAL POLARIZATION CONTROLLER OPTICAL SWITCH	7245328	7/17/07
Avanex Corporation	USA	OPTICAL INTERFEROMETER	7254291	8/7/07
Avanex Corporation	USA	OPTICAL INTERLEAVER	7257287	8/14/07
Avanex Corporation	USA	INTEGRATED OPTICAL DEVICE WITH REDUCED WAVEGUIDE BIREFRINGENCE	7257304	8/14/07
Avanex Corporation	USA	METHOD AND SYSTEM FOR MONITORING MULTIPLE OPTICAL COMMUNICATIONS LINES	7257325	8/14/07
Avanex Corporation	USA	APPARATUS, SYSTEM AND METHOD FOR A TUNABLE OPTICAL FILTER AND CHANNEL DROPPING DEMULTIPLEXER	7280720	10/9/07
Avanex Corporation	USA	UPGRADEABLE OPTICAL ADD/DROP MULTIPLEXER	7280760	10/9/07

Avanex Corporation	USA	STRUCTURES FOR SMALL FORM FACTOR LINBO3 OPTICAL MODULATOR	7284914	10/23/07
Avanex Corporation	USA	OPTICAL SWITCH HAVING ANGLE TUNING ELEMENTS AND MULTIPLE-FIBER COLLIMATORS	7286730	10/23/07
Avanex Corporation	USA	METHOD AND SYSTEM FOR A RE-CONFIGURABLE OPTICAL MULTIPLEXER, DE-MULTIPLEXER AND OPTICAL ADD-DROP MULTIPLEXER	7292786	11/6/07
Avanex Corporation	USA	LIQUID CRYSTAL DEVICE AND METHOD FOR OPTICAL PERFORMANCE MONITORING IN FIBER OPTIC COMMUNICATION SYSTEMS	7298428	11/20/07
Avanex Corporation	USA	SYSTEM AND METHOD FOR ASSEMBLING OPTICAL COMPONENTS	7298466	11/20/07
Avanex Corporation	USA	EQUALIZING OPTICAL WAVELENGTH ROUTERS	7298540	11/20/07
Avanex Corporation	USA	MONOLITHIC OPTICAL COMPONENT	7298943	11/20/07

Avanex Corporation	USA	SYSTEM AND METHOD FOR A RE-CONFIGURABLE OPTICAL CHANNEL DROPPING DE-MULTIPLEXER	7333686	2/19/08
Avanex Corporation	USA	DUAL-FILTER ARCHITECTURE FOR REDUCED DISPERSION	7333687	2/19/08
Avanex Corporation	USA	LOCALIZED ANNEALING OF UV INDUCED INDEX GRATING IN OPTICAL WAVEGUIDES	7336872	2/26/08
Avanex Corporation	USA	RECONFIGURABLE OPTICAL ADD-DROP MULTIPLEXERS EMPLOYING OPTICAL MULTIPLEX SECTION SHARED PROTECTION	7336901	2/26/08
Avanex Corporation	USA	METHOD FOR ASSEMBLY OF MULTI-PORTS OPTICAL APPARATUS	7340130	3/4/08
Avanex Corporation	USA	SLANTED BRAGG GRATING GAIN FLATTENING FILTER HAVING SPATIALLY OVERLAPPING ELEMENTARY FILTERS AND A MANUFACTURING METHOD THEREFOR	7376306	5/20/08

Avanex Corporation	USA	SYSTEM AND METHOD FOR A COMPACT OPTICAL RECEIVER WITH WIDE DYNAMIC RANGE	7394995	7/1/08
Avanex Corporation	USA	METHOD AND APPARATUS FOR REDUCTION OF OPTICAL COUPLING BETWEEN PUMP LASERS AND PHOTODETECTORS IN OPTICAL AMPLIFIERS	7430354	9/30/08
Avanex Corporation	USA	RECONFIGURABLE THIN FILM FILTER BASED DWDM DEVICES FOR RECONFIGURABLE ADD-DROP OPTICAL SYSTEMS	7454143	11/18/08
Avanex Corporation	USA	SINGLE CHANNEL FOUR-PORT GROUP DELAY COMPENSATION EQUALIZER	7457544	11/25/08
Avanex Corporation	USA	LITHIUM NIOBATE OPTICAL MODULATOR	7460739	12/2/08
Avanex Corporation	USA	AIR CAVITY PLASTIC PACKAGE FOR HIGH FREQUENCY OPTICAL DEVICES	7484900	2/3/09

Avanex Corporation	USA	HIGH EXTINCTION RATIO AND LOW CROSSTALK COMPACT OPTICAL SWITCHES	7486443	2/3/09
Avanex Corporation	USA	TUNABLE SINGLE-CHANNEL DISPERSION COMPENSATOR FOR HIGH-SPEED OPTICAL SYSTEMS	7486851	2/3/09
Avanex Corporation	USA	DYNAMIC THERMAL MANAGEMENT OF LASER DEVICES	7512162	3/31/09
Avanex Corporation	USA	SYSTEMS FOR DEPLOYING AN OPTICAL NETWORK	7577369	8/18/09
Avanex Corporation	USA	SEMICONDUCTOR OPTICAL AMPLIFIER WITH LATERAL AND DISTRIBUTED GAIN STABILISATION	7643207	1/5/10
Avanex Corporation	USA	FAST POWER TRANSIENT SUPPRESSION IN CONSTANT POWER-MODE CONTROLLED OPTICAL AMPLIFIERS	7961380	6/14/11

Oclaro (North America), Inc.	USA	VIRTUALLY IMAGED PHASED ARRAY (VIPA) HAVING A VARYING REFLECTIVITY SURFACE TO IM	6304382	10/16/01
Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6390633	5/21/02
Oclaro (North America), Inc.	USA	OPTICAL PERFORMANCE MONITOR	6433901	8/13/02
Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6471361	10/29/02
Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6478433	11/12/02
Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6481861	11/19/02



Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6607278	8/19/03
Oclaro (North America), Inc.	USA	OPTICAL PASSIVE COMPONENTS AND BI-DIRECTIONAL AMPLIFIER	6643056	11/4/03
Oclaro (North America), Inc.	USA	OPTICAL APPARATUS WHICH USES A VIRTUALLY IMAGED PHASED ARRAY TO PRODUCE CHROMATI	6717731	4/6/04
Oclaro (North America), Inc.	USA	SELF-ADJUSTING OPTICAL ADD-DROP MULTIPLEXER AND OPTICAL NETWORKS USING SAME	7016610	3/21/06
Oclaro (North America), Inc.	USA	BIDIRECTIONAL MULTICHANNEL OPTICAL TELECOMMUNICATION SYSTEM	7035545	4/25/06
Oclaro (North America), Inc.	USA	INTEGRATED THERMAL SENSOR FOR OPTOELECTRONIC MODULES	7196355	3/27/07
Oclaro (North America), Inc.	USA	DFB LASER WITH A DISTRIBUTED REFLECTOR AND PHOTONIC BAND GAP	7254154	8/7/07

Oclaro (North America), Inc.	USA	OPTICAL SWITCH HAVING ANGLE TUNING ELEMENTS AND MULTIPLE-FIBER COLLIMATORS	7603006	10/13/09
Oclaro (North America), Inc.	USA	TUNABLE OPTICAL FILTERS WITH MULTIPLE PORTS	12/804627	7/26/10
Oclaro (North America), Inc.	USA	TUNABLE DISPERSION COMPENSATOR CONFIGURED FOR CONTINUOUS SETPOINT CONTROL	12/757712	4/9/10
Oclaro (North America), Inc.	USA	MULTIPORT SWITCH FOR OPTICAL PERFORMANCE MONITOR	7760972	7/20/10
Oclaro (North America), Inc.	USA	LIQUID CRYSTAL OPTICAL DEVICE WITH ARRAYED WAVEGUIDE GRATING	12/032224	2/15/08
Oclaro (North America), Inc.	USA	FIBER LENS ASSEMBLY FOR OPTICAL DEVICE	12/014728	1/15/08
Oclaro (North America), Inc.	USA	HIGH EXTINCTION RATIO LIQUID CRYSTAL OPTICAL SWITCH	12/014730	1/15/08

Oclaro (North America), Inc.	USA	OPTICAL SWITCHING DEVICE WITH RECONFIGURABLE CHANNEL SPACING	13/088614	4/18/11
Oclaro (North America), Inc.	USA	SYSTEM OF METHOD FOR DYNAMIC RANGE EXTENSION	12/970370	12/16/10
Oclaro (North America), Inc.	USA	METHOD OF DETERMINING AN OPTICAL DISTANCE FOR CHROMATIC DISPERSION COMPENSATION	12/117545	5/8/08
Oclaro (North America), Inc.	USA	OPTICAL DEVICE WITH STABLE OPTICAL CONFIGURATION	11/945996	11/27/07
Oclaro (North America), Inc.	USA	SYSTEM AND METHOD FOR SELF-GENERATION OF REFERENCE SIGNALS	12/111051	4/28/08
Oclaro (North America), Inc.	USA	OPTICAL DEVICE WITH CASCADED STEERING DEVICES	12/014736	1/15/08
Oclaro (North America), Inc.	USA	OPTICAL MODULE PACKAGE DESIGN WITH HERMETICALLY SEALING	09/833125	4/11/01

Oclaro (North America), Inc.	USA	DYNAMICALLY RECONFIGURING AN OPTICAL NETWORK USING AN ETHERNET SWITCH	12/207450	9/9/08
Oclaro (North America), Inc.	USA	REDUCTION OF PACKET LOSS THROUGH OPTICAL LAYER PROTECTION	12/173723	7/15/08
Oclaro (North America), Inc.	USA	METHOD AND APPARATUS FOR SPECTRAL BAND MANAGEMENT	12/277115	11/24/08
Oclaro (North America), Inc.	USA	SINGLE CONTROL LIQUID CRYSTAL OPTICAL SWITCH AND ATTENUATOR	12/356038	1/19/09
Oclaro (North America), Inc.	USA	CONTINUOUSLY TUNABLE OPTICAL DISPERSION COMPENSATION SYNTHESIZERS USING CASCADED ETALONS	12/592812	12/3/09
Oclaro (North America), Inc.	USA	ELECTRO-OPTIC DEVICE PACKAGES	7641400	1/5/10
Oclaro (North America), Inc.	USA	ELECTRO-OPTIC DEVICE PACKAGES	12/460477	7/20/09
Oclaro (North America), Inc.	USA	TUNABLE OPTICAL FILTERS	12/283953	9/17/08

Oclaro (North America), Inc.	USA	ANALYZING TUNABLE OPTICAL FILTERS USING TUNABLE SOURCE	8027583	9/27/11
Oclaro (North America), Inc.	USA	FABREY-PEROT ETALON FILTER	12/924218	9/23/10
Oclaro (North America), Inc.	USA	TUNABLE OPTICAL FILTERS WITH MULTIPLE PORTS	12/927066	11/5/10

**Patent Licenses**

None reported.