

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM300088

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Security Agreement

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
OCLARO, INC.		03/28/2014	CORPORATION: DELAWARE
OCLARO TECHNOLOGY, INC.		03/28/2014	CORPORATION: DELAWARE
OCLARO (NORTH AMERICA), INC.		03/28/2014	CORPORATION: DELAWARE
MINTERA CORPORATION		03/28/2014	CORPORATION: DELAWARE
OPNEXT, INC.		03/28/2014	CORPORATION: DELAWARE
PINE PHOTONICS COMMUNICATIONS, INC.		03/28/2014	CORPORATION: DELAWARE
OPNEXT SUBSYSTEMS INC.		03/28/2014	CORPORATION: DELAWARE
BOOKHAM NOMINEES LIMITED		03/28/2014	COMPANY: UNITED KINGDOM
OCLARO TECHNOLOGY LIMITED		03/28/2014	COMPANY: UNITED KINGDOM
OCLARO INNOVATIONS LLP		03/28/2014	COMPANY: UNITED KINGDOM

RECEIVING PARTY DATA

Name:	Silicon Valley Bank
Street Address:	2400 Hanover Street
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94304
Entity Type:	CORPORATION: CALIFORNIA

PROPERTY NUMBERS Total: 8

Property Type	Number	Word Mark
Registration Number:	4246377	OCLARO
Registration Number:	2841522	DYNAMIC OPTICS
Serial Number:	85686982	
Registration Number:	2143922	BOOKHAM
Registration Number:	3009137	OPNEXT
Registration Number:	2891530	OPNEXT
Registration Number:	3499718	WE LIGHT IT UP

TRADEMARK

Property Type	Number	Word Mark
Registration Number:	3275755	OPTOMOD

CORRESPONDENCE DATA

Fax Number: 8004947512

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

Phone: 2023704761

Email: ipteam@nationalcorp.com

Correspondent Name: Thomas Fahey

Address Line 1: 1025 Vermont Avenue NW, Suite 1130

Address Line 2: National Corporate Research, Ltd.

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER: F149178

NAME OF SUBMITTER: Laura A. Kenerson

SIGNATURE: /Laura A. Kenerson/

DATE SIGNED: 04/02/2014

Total Attachments: 20

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- source=USPTO Submission - Oclaro (Trademarks)#page4.tif
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is entered into as of March 28, 2014 by and among (i) **SILICON VALLEY BANK** ("Bank") and (ii) each Person listed on the signature page hereof as a grantor (individually and collectively, jointly and severally, the "Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations (the "Loans") to **OCLARO, INC.**, a Delaware corporation ("**Parent**") and **OCLARO TECHNOLOGY LIMITED**, a company incorporated under the laws of England and Wales ("**Borrower**") pursuant to the terms of that certain Loan and Security Agreement, dated as of the date hereof (as may be amended, restated, or otherwise modified from time to time, the "**Loan Agreement**"); capitalized terms used herein are used as defined in the Loan Agreement). In connection therewith, Bank and certain of the Grantors have executed and delivered to Bank that certain Guarantor Security Agreement (the "**Security Agreement**"), each dated as of the date hereof. As a further condition to the Bank making the Loans to Borrower, Bank has required that Grantor grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement and the Security Agreement, as applicable.

B. Pursuant to the terms of the Loan Agreement and the Security Agreement, as applicable, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and/or the Security Agreement, as applicable, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement and/or the Security Agreement, as applicable, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its registered and unregistered intellectual property (all of which shall collectively be called the "**Intellectual Property Collateral**"), including, without limitation, the following:

1. Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those copyright registrations and applications set forth on Exhibit A attached hereto (collectively, the "**Copyrights**");

2. Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

3. Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

4. All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the

same, including without limitation the registered patents and patent applications set forth on Exhibit B attached hereto (collectively, the “**Patents**”);

5. Any trademark and servicemark rights, slogans, trade dress, trade names and trade styles, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those registered trademarks and applications set forth on Exhibit C attached hereto (collectively, the “**Trademarks**”);

6. [Reserved];

7. Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

8. All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights, including, without limitation those set forth on Exhibit D hereto (collectively, the “**Licenses**”);

9. All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

10. All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement and/or the Security Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement, the Security Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement, the Security Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Agreement, the Loan Agreement, the Security Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor authorizes and requests that the Register of Copyrights, the Commissioner of Patents and Trademarks, the Canadian Intellectual Property Office, and any applicable intellectual property registry or similar agency in any applicable jurisdiction record this IP Agreement and any amendments hereto, or copies thereof.

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

c/o Oclaro Technology Limited
2560 Junction Avenue
San Jose, CA 95134
Attn: Pete Mangan - fax (408) 435-5025
email pete.mangan@oclaro.com
David Teichmann - fax (408) 904-4913
email david.teichmann@oclaro.com

GRANTOR:

OCLARO, INC.

By: *Pete Mangan*
Pete Mangan
Chief Financial Officer

OCLARO TECHNOLOGY, INC.

By: *Pete Mangan*
Pete Mangan
President, Treasurer and Secretary

OCLARO (NORTH AMERICA), INC.

By: *Pete Mangan*
Pete Mangan
Chief Executive Officer, Chief Financial Officer
and Secretary

MINTERA CORPORATION

By: *Pete Mangan*
Pete Mangan
President, Chief Financial Officer and Secretary

OPNEXT, INC.

By: *Pete Mangan*
Pete Mangan
Chief Executive Officer, President, Chief Financial
Officer and Secretary

**PINE PHOTONICS COMMUNICATIONS,
INC.**

By: *Pete Mangan*
Pete Mangan
President, Treasurer and Secretary

OPNEXT SUBSYSTEMS INC.

By: *Pete Mangan*
Pete Mangan
President, Chief Financial Officer and Secretary

BOOKHAM NOMINEES LIMITED

By: _____
James Haynes
Director

[Signature Page – Intellectual Property Security Agreement]

TRADEMARK
REEL: 005250 FRAME: 0028

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

c/o Oclaro Technology Limited
2560 Junction Avenue
San Jose, CA 95134
Attn: Pete Mangan - fax (408) 435-5025
email pete.mangan@oclaro.com
David Teichmann - fax (408) 904-4913
email david.teichmann@oclaro.com

GRANTOR:

OCLARO, INC.

By: _____
Pete Mangan
Chief Financial Officer

OCLARO (NORTH AMERICA), INC.

By: _____
Pete Mangan
Chief Executive Officer, Chief Financial Officer
and Secretary

OPNEXT, INC.

By: _____
Pete Mangan
Chief Executive Officer, President, Chief Financial
Officer and Secretary

OPNEXT SUBSYSTEMS INC.

By: _____
Pete Mangan
President, Chief Financial Officer and Secretary

OCLARO TECHNOLOGY, INC.

By: _____
Pete Mangan
President, Treasurer and Secretary

MINTERA CORPORATION

By: _____
Pete Mangan
President, Chief Financial Officer and Secretary

**PINE PHOTONICS COMMUNICATIONS,
INC.**

By: _____
Pete Mangan
President, Treasurer and Secretary

BOOKHAM NOMINEES LIMITED

By: James Haynes
James Haynes
Director

[Signature Page -- Intellectual Property Security Agreement]

TRADEMARK
REEL: 005250 FRAME: 0029

OCLARO TECHNOLOGY LIMITED

By James Haynes
James Haynes
Director

OCLARO INNOVATIONS LLP

By Oclaro Inc., its member

By: _____
Pete Mangan
Chief Financial Officer

By Oclaro (North America) Inc., its member

By: _____
Pete Mangan
Chief Executive Officer, Chief Financial Officer
and Secretary

Address of Bank:

Silicon Valley Bank
2400 Hanover Street
Palo Alto, CA 94304
Attn: Ryan Edwards
Email: redwards@svb.com

BANK:

SILICON VALLEY BANK

By: _____
Name: _____
Title: _____

[Signature Page – Intellectual Property Security Agreement]

OCLARO TECHNOLOGY LIMITED

By _____
James Haynes
Director

OCLARO INNOVATIONS LLP

By Oclaro Inc., its member

By: Pete Mangan
Pete Mangan
Chief Financial Officer

By Oclaro (North America) Inc., its member

By: Pete Mangan
Pete Mangan
Chief Executive Officer, Chief Financial Officer
and Secretary

Address of Bank:

Silicon Valley Bank
2400 Hanover Street
Palo Alto, CA 94304
Attn: Ryan Edwards
Email: redwards@svb.com

BANK:

SILICON VALLEY BANK

By: _____
Name: _____
Title: _____

OCLARO TECHNOLOGY LIMITED

By _____
James Haynes
Director

OCLARO INNOVATIONS LLP

By Oclaro Inc., its member

By: _____
Pete Mangan
Chief Financial Officer

By Oclaro (North America) Inc., its member

By: _____
Pete Mangan
Chief Executive Officer, Chief Financial Officer
and Secretary

Address of Bank:

Silicon Valley Bank
2400 Hanover Street
Palo Alto, CA 94304
Attn: Ryan Edwards
Email: redwards@svb.com

BANK:

SILICON VALLEY BANK

By: _____
Name: Ryan Edwards
Title: VP

EXHIBIT A

Copyrights

None

EXHIBIT B

Patents

(Attached)

SVI-143376v1

TRADEMARK
REEL: 005250 FRAME: 0034

FILE NUMBER	COUN APPLICATION NUMBER	FORUM	STATUS	ASSET	ACQUIRED	FORUM	FORUM
OCLA 00012/US	09/057,642	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00016/US	09/281,972	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00020/US	09/306,438	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00022/US	09/319,450	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00029/US	09/306,437	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
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OCLA 00031/US	10/283,466	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00034/US	09/159,256	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00054/US	09/299,597	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00055/US	09/688,349	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00057/US	09/736,180	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00081/US	09/658,850	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00129/US	09/727,854	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00238/US	10/176,368	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00251/US	09/183,523	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
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OCLA 00337/US	10/502,487	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00338/US	0128919,2	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC
OCLA 00339/US	10/492,992	US	Issued	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC	Bookham Technology, PLC

TITLE
Apparatus for connecting an optical fibre to an optical device
Connecting a plurality of fibre boards
Assembly of optical component and optical fibre
A thermally sealed package and method of assembly
Integrated optical device providing attenuation
Resistive heater element
Thermo-optic semiconductor device
Lead frame attachment for optoelectronic device
An optical waveguide
Implementations to or related to integrated chip optical devices
Controlled birefringence in an optical waveguide
Optical multiplier/demultiplier
Method & apparatus for temperature control
Passive fibre attach
Optical devices
Combined half modulation
Multiplexers
Multiplexers
Two photon detector
Multi-wavelength reflector
Multi-wavelength reflector
Optical interphase arrangement
Optical modulator
Optical modulator
Method of securing an optical fibre to an electronic package
Intensity-wavelength coded fibre Bragg grating sensors
Strain sensitive
Method of alignment in an optoelectronic assembly
Method and apparatus for alignment a crystalline substrate
Remote control and power system
Optical signal time-sharing arrangement
Guided wave spatial filter
Guided wave spatial filter
Optical autocorrelator
Alignment Off-axis mirror
Optical pulse train generator
Electro-optical retinal arrangement with improved duty cycle
Improvements to, or relating to, optical communications
Improvements in or relating to optical communications
Demodulation of an optical carrier
Tunable laser
Tunable laser
Tunable laser
Tunable laser
Tunable laser (dual chip)
Tunable laser (dual chip)
Tunable laser (dual chip) double phase grating
Tunable laser film III and Chopped film III
Tunable laser film III and Chopped film III
Transmission line structures
Optical signal demodulators
Optical signal demodulators
Parallel push pull modulator
Tunable laser
Tunable laser

OCIA 00343/US	68	02/28/84.6	2383706	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	10/49/7.472	7,116,460	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
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OCIA 00343/US	68	10/49/7.551	7,227,961	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	02/28/85.3	2383704	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
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OCIA 00343/US	68	09/75/0.874	6,480,650	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/69/8.800	6,897,075	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	10/110.949	6,204,560	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/29/4.114	6,222,200	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/47/2.121	6,287,401	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/735.080	6,495,380	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/66/7.622	6,528,238	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/750.124	6,551,936	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/735.571	6,501,378	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	01/30/84.19	1203785	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	09/709.646	6,654,594	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00343/US	68	10/02/7.229	6,829,275	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00428/US	68	10/025.866	6,999,054	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	10/073.101	6,973,232	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	11/915.415	7,184,207	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	10/024.994	6,628,858	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	10/150.592	6,882,758	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	10/116.168	6,917,708	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00464/US	68	10/676.976	7,060,516	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00478/US	68	10/254.594	6,850,458	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00481/US	68	09/253.129	6,341,370	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/19/7.071	5,415,804	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/17001.6	2281785	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/303.374	5,330,580	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/216.301	5,802,747	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/612.314	5,938,701	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/510.752	6,275,321	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/570.989	5,570,444	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/684.128	5,664,045	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00483/US	68	08/865.760	5,901,164	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00535/US	68	09/079.480	6,158,901	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00537/US	68	08/218.273	5,345,459	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00561/US	68	08/170.074	5,452,318	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00561/US	68	08/450.841	5,524,076	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00561/US	68	08/413.555	2302738	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00561/US	68	08/675.757	5,536,085	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00561/US	68	08/917.371	5,960,014	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00570/US	68	08/745.168	5,778,113	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00570/US	68	09/057.602	5,991,471	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00572/US	68	08/680.284	5,825,792	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00576/US	68	08/994.453	5,869,398	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system
OCIA 00577/US	68	09/209.860	6,201,824	Issued	Marconi	Bookham Technology, PLC	Oclaro Technology Limited	Optical cooling system

OCIA.00583/US	US	09/409,036	5,519,270	Issued	Normal	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00582/US	US	10/141,862	7,953,305	Issued	Normal	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00581/US	US	09/660,147	6,466,704	Issued	Normal	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00580/US	US	09/642,821	5,904,491	Issued	Normal	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00579/US	US	10/800,546	7,085,289	Issued	Normal	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00578/US	US	10/819,457	7,043,910	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00577/US	US	09/249,653	2,407,648	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00576/US	US	10/979,568	7,204,932	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00575/US	US	10/091,815	6,477,056	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00574/US	US	09/054,919	6,651,951	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00573/US	US	09/353,089	5,519,099	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00572/US	US	10/967,179	6,999,644	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00571/US	US	10/883,901	7,040,911	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00570/US	US	10/423,182	6,803,520	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00569/US	US	10/044,654	6,798,611	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00568/US	US	10/044,654	6,793,406	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00567/US	US	10/044,653	6,826,213	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00566/US	US	10/128,388	6,795,461	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00565/US	US	10/128,102	6,663,296	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00564/US	US	10/236,234	6,879,784	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00563/US	US	10/285,949	6,893,170	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00562/US	US	10/701,774	7,205,518	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00561/US	US	10/738,010	7,206,604	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00560/US	US	10/719,592	7,021,855	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00559/US	US	10/794,050	6,948,860	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00558/US	US	10/775,910	6,884,314	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00557/US	US	10/770,265	7,059,687	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00556/US	US	10/995,701	7,158,549	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00555/US	US	10/985,166	7,653,274	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00554/US	US	10/985,166	7,653,274	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00553/US	US	11/176,203	7,353,226	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00552/US	US	04/215,834	2,481,995	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00551/US	US	11/571,580	8,319,374	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00550/US	US	12/027,413	7,656,514	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00549/US	US	05/249,941	2,493,160	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00548/US	US	12/706,307	8,160,410	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00547/US	US	12/708,136	7,826,508	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00546/US	US	12/889,517	8,457,172	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00545/US	US	12/088,131	7,830,927	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00544/US	US	11/845,596	7,789,285	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00543/US	US	13/257,198	2,446,611	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00542/US	US	12/028,055	8,319,286	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00541/US	US	12/254,809	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00540/US	US	12/259,423	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00539/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00538/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00537/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00536/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00535/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00534/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00533/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00532/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00531/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00530/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00529/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00528/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00527/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00526/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00525/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00524/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00523/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00522/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00521/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00520/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00519/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00518/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00517/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00516/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00515/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00514/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00513/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00512/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00511/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00510/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00509/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00508/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00507/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00506/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00505/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00504/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00503/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00502/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited
OCIA.00501/US	US	13/202,088	8,295,315	Issued	Bookham	Bookham Technology, PLC	Oclaro Technology Limited

Compound cavity reflection modulation laser system	OCIA.00500/US	US	10/655,497	Issued	Avantex	Avantex Corporation	Oclaro (North America), Inc.
Magnetically insulated thin power laser optical device	OCIA.00499/US	US	5,687,795	Issued	Avantex	Avantex Corporation	Oclaro (North America), Inc.
Optical filtering method and device	OCIA.00498/US	US	5,745,614	Issued	Avantex	Avantex Corporation	Oclaro (North America), Inc.
Planar waveguide	OCIA.00497/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Planar waveguide dendrite	OCIA.00496/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Laser structure with large optical surface waveguide	OCIA.00495/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Metal thermal actuator	OCIA.00494/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Novel polarization rotator design and method for monolithic integration	OCIA.00493/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical/electrical module	OCIA.00492/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical/electrical module	OCIA.00491/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Lens system and optoelectronic alignment apparatus	OCIA.00490/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Discrete optoelectronic packages	OCIA.00489/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Transverse module with surface debiting actuator	OCIA.00488/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
High-speed transparent external interfaces	OCIA.00487/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Radially symmetrical optoelectronic module	OCIA.00486/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical/electrical module	OCIA.00485/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Component interconnect apparatus	OCIA.00484/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical/electronic module	OCIA.00483/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical/electronic module	OCIA.00482/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Bi-directional optical/electrical transceiver module	OCIA.00481/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
High speed optoelectronic package for optical devices	OCIA.00480/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Filter optical transceiver module	OCIA.00479/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Alignment of optical components in an optical subassembly	OCIA.00478/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical subassembly for a semiconductor laser	OCIA.00477/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optical power monitor for a semiconductor laser device	OCIA.00476/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Optoelectronic module with post-curable based latchup/debiting mechanism	OCIA.00475/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
A support structure for an optical device	OCIA.00474/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
An optoelectronic subassembly	OCIA.00473/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Simplified digital I/O control	OCIA.00472/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Apparatus for binary reading (tooth extraction application)	OCIA.00471/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Apparatus for binary reading (tooth extraction application)	OCIA.00470/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Directly modulated diode lasers with reduced overheat	OCIA.00469/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Beam reflector actuator	OCIA.00468/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Shifted chirped grating for DBR laser	OCIA.00467/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
DBR laser with liquid modal gain (Optical DBR)	OCIA.00466/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Bragg grating structure	OCIA.00465/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Balanced DBR laser grating strength & phase-changes grating strength control	OCIA.00464/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Micro beam splitter assembly	OCIA.00463/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Relief waveguide serial interconnects	OCIA.00462/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Low cost metalization for optoelectronic applications	OCIA.00461/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Low cost metalization for optoelectronic applications	OCIA.00460/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Inverted optical waveguide splitters	OCIA.00459/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Tunable laser (Branded film I/O, Ch. band)	OCIA.00458/US	US	6,653,375	Issued	Avantex	Avantex Corporation	Oclaro Technology Limited
Removable waveguide test fixtures	OCIA.00457/US	US					

OCAR 011095/US	US	10/05/99	6,807,357	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Scalable optical absorber, and an application thereof for regenerating a waveband
OCAR 010927/US	US	10/17/98	6,788,149	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Broadband diaphragm system for defining an electronic circuit and an amplifier
OCAR 011100/US	US	10/13/00	6,756,554	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Optical emitter including a modulator comprising a plurality of modulator units
OCAR 011012/US	US	10/28/99	6,870,212	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Low-stress internal structure for optoelectronic housing
OCAR 011022/US	US	10/07/04	6,870,973	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor laser
OCAR 011009/US	US	10/06/04	6,751,246	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Monolithic integrated optical component including a modulator and a heterojunction buried ribbon semiconductor laser and a method of fabrication
OCAR 011027/US	US	10/14/04	6,744,291	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Optical waveguide tunable filter
OCAR 011008/US	US	10/07/99	6,822,981	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Laser that can be tuned quickly over a wide band
OCAR 011009/US	US	10/20/07	7,158,725	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Scalable light absorber, structure and a device incorporating the structure for semiconductor optical amplifier
OCAR 011114/US	US	10/11/03	6,853,073	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Microwave electronic devices comprising a metal meander
OCAR 011134/US	US	08/08/08	5,707,890	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of shimming a wavefront in a semiconductor structure having quantum well
OCAR 011135/US	US	08/02/30	5,722,272	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Scalable optical waveguide suitable in particular for being included in a device
OCAR 011167/US	US	09/16/08	5,123,664	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Scalable optical waveguide suitable in particular for being included in a device
OCAR 011197/US	US	08/06/03	5,552,812	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Photonic diode transistor
OCAR 011202/US	US	08/04/03	5,970,419	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Integrated optoelectronic component
OCAR 011207/US	US	08/02/03	5,584,807	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Quantum well electro-optical modulator
OCAR 011208/US	US	09/02/00	6,581,631	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Waveguide converter for binary optical signals
OCAR 011322/US	US	09/02/08	6,093,939	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method for fabricating a component with crystalline silicon substrate
OCAR 011339/US	US	08/23/04	6,040,246	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Modulation method and semiconductor optical modulator
OCAR 011340/US	US	09/14/00	6,040,246	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Hybrid optical module including an intermediate element
OCAR 011367/US	US	08/09/02	6,148,752	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor optical amplifier
OCAR 011368/US	US	08/09/02	6,148,752	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of manufacturing an integrated optical component comprising a thick waveguide
OCAR 011380/US	US	08/09/02	6,148,752	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Device, in particular a semiconductor device, for processing two waves in parallel
OCAR 011389/US	US	08/09/02	6,148,752	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating integrated optical circuits with minimized optical coupling
OCAR 011392/US	US	09/14/00	6,040,246	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating integrated optical circuits which minimized optical coupling
OCAR 011393/US	US	09/14/00	6,040,246	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor laser amplifier and a method of fabricating said amplifier
OCAR 011414/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Light emitting device having an integrated component including at least one laser heterostructure
OCAR 011427/US	US	09/14/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Integrated heterostructure
OCAR 011440/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor optical amplifier and integrated laser source
OCAR 011441/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor optical amplifier and method of manufacturing the same
OCAR 011442/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Semiconductor optical amplifier
OCAR 011443/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011444/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011445/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011446/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011447/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011448/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011449/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011450/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011451/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011452/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011453/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011454/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011455/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011456/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011457/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011458/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011459/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011460/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011461/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011462/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011463/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011464/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011465/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011466/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011467/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011468/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011469/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011470/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011471/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011472/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011473/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011474/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011475/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011476/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011477/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011478/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011479/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011480/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011481/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011482/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011483/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011484/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011485/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component
OCAR 011486/US	US	09/18/08	6,137,814	Issued	Avenex	Avenex Corporation	Oclaro (North America), Inc	Method of fabricating an integrated optical component

OCLR 01350/US	US	09/09/725	6,574,260	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Electrophotonic modulated laser
OCLR 01353/US	US	09/07/586	6,115,401	Issued	Avanex	Avanex (Imperfect)	Oclaro (North America), Inc.	External cavity semiconductor laser with monolithic prism assembly
OCLR 01356/US	US	10/031,899	6,272,960	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical coupling device
OCLR 01357/US	US	10/031,901	6,336,595	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical coupling device
OCLR 01369/US	US	09/757,884	6,515,380	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Aspherical internal optical waveguide devices
OCLR 01370/US	US	09/714,777	7,236,709	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Multi-port wavevector for control laser waveLENGTHS of multiple lasers
OCLR 01372/US	US	09/797,793	6,564,543	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical fiber coupler assembly
OCLR 01373/US	US	10/076,020	6,421,483	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical monitoring in optical interconnect modulators
OCLR 01374/US	US	09/832,285	6,647,185	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical interconnect modulator integrated with optical monitoring mechanism
OCLR 01375/US	US	09/832,285	6,654,517	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical devices integrated to fibers with angle-etched facets
OCLR 01376/US	US	09/832,285	6,654,517	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Stabilization of laser array module
OCLR 01381/US	US	10/678,526	6,993,239	Issued	Avanex	Oclaro (North America), Inc.	Oclaro (North America), Inc.	Optical modules employing etch-sealed fiber feedthrough with cross
OCLR 01386/US/01	US	10/642,050	7,064,648	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Optical modulator employing etch-sealed fiber feedthrough with cross
OCLR 01386/US/01	US	11/352,164	7,159,167	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a fiber optic housing and filtering device
OCLR 01386/US/01	US	4022666.4	15,192,208	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a fiber optic housing and filtering device
OCLR 01389/US	US	10/817,105	7,155,102	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Hermetically sealed package for fiber optic module sealed by optical dressing
OCLR 01389/US	US	10/799,851	7,186,912	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Hermetic lid seal for metal packaging for fiber optic module
OCLR 01389/US	US	10/817,105	7,228,014	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	System for reducing the electrical return loss of a lithium niobate traveling wa
OCLR 01389/US	US	10/871,298	7,394,995	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01389/US	US	10/866,949	7,394,995	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01391/US	US	10/823,903	7,155,102	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01391/US	US	10/823,903	7,294,914	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01392/US	US	11/098,897	6,593,481	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01392/US	US	11/247,052	7,577,369	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01398/US	US	11/098,897	7,171,073	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01398/US	US	10/851,972	7,287,804	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01402/US	US	08/243,142	5,598,493	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01402/US	US	08/243,142	5,598,493	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01402/US	US	08/726,609	5,800,666	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01416/US	US	10/753,405	7,079,952	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01430/US	US	09/619,721	6,535,542	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01446/US	US	09/822,915	6,693,720	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01451/US	US	11/051,742	7,184,623	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01457/US	US	11/081,926	7,298,466	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01458/US	US	11/070,993	7,227,128	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01463/US	US	11/217,543	7,254,291	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01470/US	US	11/538,990	7,484,900	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01471/US	US	12/014,728	8,094,892	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01509/US	US	12/150,542	7,641,400	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01509/US	US	12/460,477	8,206,042	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01523/US	US	08/756,289	5,504,769	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01558/US	US	10/719,078	7,221,429	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01559/US	US	10/384,150	6,550,570	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01559/US/01	US	11/101,989	7,058,253	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01576/US/01	US	10/146,272	6,115,401	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01581/US/01	US	10/186,785	6,605,114	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01583/US/01	US	13/109,785	8,605,114	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01584/US/01	US	13/822,250	7,949,261	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01589/US/01	US	13/812,129	7,740,212	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01589/US/01	US	11/740,212	7,394,992	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01590/US	US	10/986,356	7,394,992	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01592/US	US	10/986,356	7,394,992	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01592/US	US	11/509,489	7,986,885	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01593/US/01	US	13/641,078	8,660,440	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01594/US	US	13/112,984	7,986,885	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01595/US/01	US	13/991,879	8,660,440	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01595/US/01	US	13/825,295	7,986,885	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01599/US/01	US	13/991,866	8,660,440	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01599/US/01	US	13/991,866	8,660,440	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range
OCLR 01599/US/01	US	10/21899.9	8,660,440	Issued	Avanex	Avanex Corporation	Oclaro (North America), Inc.	Method and apparatus for a compact optical receiver with wide dynamic range

OCAR 01609/US/P1	US	1132340.6	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01614/US/P1	US	13/551,514	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01615/US/P1	US	11,492,216	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01615/US/P2	US	13,189,713	Pending	Oclaro	OCLARO TECHNOLOGY PLC	Oclaro Technology Limited
OCAR 01617/US/P1	US	13/546,964	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01620/US/P1	US	13/228,350	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01620/US/P2	US	11,482,316	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01620/US/P3	US	13/689,215	Pending	Oclaro	Oclaro, Inc.	Oclaro, Inc.
OCAR 01641/US/P1	US	12,200,044	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01642/US/P1	US	12,380,667	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01643/US/P1	US	12,391,169	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01643/US/P2	US	12,196,945	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01645/US/P1	US	13/920,904	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01647/US/P1	US	61/897,419	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01654/US/P1	US	14/240,545	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01654/US/P2	US	14/226,494	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited
OCAR 01620/US/P1	US	14/240,537	Pending	Oclaro	Oclaro Technology Limited	Oclaro Technology Limited

KEY:
 = In process of being abandoned
 = Added since 3/18/14 version of patent list

Modulator adaptive gain control
 Modulator adaptive gain control
 Laser passive storage section for reduced linewidth
 Multi-bin lens
 Lens
 Cooling system for an optical module
 Terahertz Raman pump laser
 Optical receiver with a wide power sensitivity dynamic range
 Integrated heater for laser diode control
 Interconnect interface for a TEC
 Optical modulator with tapered electrical structure
 Chirped grating etch profiles
 Thermal locker
 Multiple port hybrid arrayed optical components

MONOLITHICALLY INTEGRATED TUNABLE SEMICONDUCTOR LASER
 Optical fiber and method of fabricating a coupler device
 TUNABLE MULTIMODE LASER

EXHIBIT C

Trademarks

OCLARO, INC.

TRADEMARK	REGISTRATION NUMBER	DESCRIPTION	COUNTRY
Oclaro	4246377	Word	US
Oclaro	7607429	Word	China
Oclaro	Kor323134	Word	Taiwan
Oclaro	Bor47808	Word	Thailand
Oclaro	Kor340073	Word	Thailand
Oclaro	591396	Word	Switzerland
Oclaro	1194114	Word	Mexico
Oclaro	33499	Word	Korea
Oclaro	5389756	Word	Japan
Oclaro	1385267	Word	Italy
Oclaro	221052	Word	Israel
Oclaro	221055	Word	Israel
Oclaro	221060	Word	Israel
Oclaro	1823789	Word	India
Oclaro (Chinese Characters)	7452479	Word	China
Oclaro	7607429	Word	China
Oclaro	7452321	Word	China
Oclaro	8335713	Word	Europe
Oclaro	1440302	Word	Canada
Oclaro	2517166	Word	UK
Shining Light on Photonic Innovation	5393629	Word	Japan
Shining Light on Photonic Innovation	595998	Word	Switzerland
Dynamic Optics	2841522	Word	US
Broken Circle	85686982	Design	US
Broken Circle	1611391	Design	Canada
Broken Circle	85686982	Design	Madrid Protocol; China, European Union, Israel, Japan, South Korea, Switzerland

Oclaro Technology Limited

TRADEMARK	REGISTRATION NUMBER	DESCRIPTION	COUNTRY
Bookham	2143922	Word	US
Bookham	2021311	Word	Britain
Bookham	1738996	Word	Japan
Bookham	755339	Word	Italy

SVI-143376v1

Bookham	5837732	Word Chinese Character	China
Bookham	120214	Word	Israel
Bookham	467730 (Reg. No. 98-15704)	Word	Korea
Bookham	396022561	Word	Germany
Bookham	822026856	Word	Brazil
Bookham	96608702	Word	France
O with Slashes	TMA678112	Design	Canada
Bookham with design	1258839	Design	Europe

Oclaro (North America), Inc.

TRADEMARK	REGISTRATION NUMBER	DESCRIPTION	COUNTRY
AVANEX	3112979	Word	China

Mintera Corporation

TRADEMARK	REGISTRATION NUMBER	DESCRIPTION	COUNTRY
MINTERA	IR888963	Word	Australia
MINTERA	706980	Word	Canada
MINTERA	IR888963	Word	China
MINTERA	IR888963	Word	European Union
MINTERA	IR888963	Word	Japan
MINTERA	IR888963	Word	Korea
MINTERA	IR888963	Word	Madrid Protocol
MINTERA	IR888963	Word	Norway
MINTERA	IR888963	Word	Russia
MINTERA	1248848	Word	Taiwan
MINTERA	1131276	Design	Australia
MINTERA	706981	Design	Canada
MINTERA	891214	Design	Europe
MINTERA	891214	Design	Japan
MINTERA	891214	Design	Korea
MINTERA	891214	Design	Madrid Protocol
MINTERA	891214	Design	Norway
MINTERA	891214	Design	Russia
MINTERA	1248849	Design	Taiwan
MINTERA	891214	Design	China

Opnext, Inc.

TRADEMARK	REGISTRATION NUMBER	DESCRIPTION	COUNTRY
Opnext	3009137	Word Design	US
Opnext	2891530	Word	US
Opnext	T0102578H	Word	Singapore
Opnext	2002B14105	Word	Hong Kong

SVI-143376v1

TRADEMARK
REEL: 005250 FRAME: 0044

Opnext	1792555	Word	China
Opnext	TMA635183	Word	Canada
Opnext	487877	Word	Switzerland
Opnext	2105302	Word	Europe
Opnext	4571573	Word	Japan
Opnext	4093014	Word	Japan
We Light It Up	3499718	Tag Line	US
Optomod	3275755	Word	US

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