PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2925865

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
WELLS FARGO CAPITAL FINANCE, LLC	09/12/2013

RECEIVING PARTY DATA

Name:	OCLARO, INC.
Street Address:	2560 JUNCTION AVENUE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
Name:	OCLARO TECHNOLOGY LIMITED
Street Address:	2560 JUNCTION AVENUE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	6493148

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	7214-140292
NAME OF SUBMITTER:	WILLIAM H. LOGSDON
SIGNATURE:	/William H. Logsdon/
DATE SIGNED:	07/03/2014

Total Attachments: 10

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RELEASE OF PATENT SECURITY INTEREST

THIS RELEASE OF PATENT SECURITY INTEREST ("Release"), is made and effective as of September 12, 2013 and granted by Wells Fargo Capital Finance, LLC, a Delaware limited liability company (as successor-by-merger to Wells Fargo Capital Finance, Inc.), as collateral agent (the "Agent") for the lenders under the Credit Agreement referred to below (the "Secured Parties"), in favor of Oclaro, Inc., a Delaware corporation (the "Parent") and Oclaro Technology Limited, a company incorporated under the laws of England and Wales (the "Borrower"), and their successors, legal representatives and assignees.

WHEREAS, the Borrower and the Parent entered into that certain Second Amended and Restated Credit Agreement dated as of November 2, 2012 (as amended, restated, supplemented or otherwise modified, the "Credit Agreement"), with the Agent and the lenders party thereto; and

WHEREAS, In connection with the Credit Agreement, the Parent, the Borrower and certain of their affiliates entered into the following:

(a) the Amended and Restated Security Agreement (Domestic) dated as of November 2, 2012 (as amended, restated, supplemented or otherwise modified, the "Domestic Security Agreement"), made by the Parent and certain of its affiliates in favor of the Agent;

(b) the Amended and Restated Security Agreement (Foreign) dated as of November 2, 2012 (as amended, restated, supplemented or otherwise modified, the "Foreign Security Agreement"), made by the Borrower and certain of its affiliates in favor of the Agent; and

(c) the Debenture dated as of May 6, 2013 (as amended, restated, supplemented or otherwise modified and, together with the Domestic Security Agreement and the Foreign Security Agreement, the "Collateral Documents"), made by the Parent, the Borrower and certain of their affiliates in favor of the Agent.

WHEREAS, pursuant the Collateral Documents, the grantors under such Collateral Documents (each a "Grantor") pledged and granted to the Agent, for and on behalf of the Secured Parties, a security interest in and to all of the right, title and interest of such Grantor in, to and under the Patent Collateral (as defined below); and

WHEREAS, the Borrower and the Parent are parties to the Share and Asset Purchase Agreement dated as of September 12, 2013 (in the form provided to the Agent, the "Purchase Agreement"), with Il-VI Holdings B.V., a Netherlands corporation ("BV"), pursuant to which the Borrower and the Parent are selling (or causing its affiliates to sell) to the BV or certain of its

affiliates (BV, together with such affiliates, the "Purchaser") certain assets, including but not limited to the Patent Collateral; and

WHEREAS, the Agent desires to enter into this Release in order to accomplish and evidence the release and reassignment of any and all right, title and interest the Agent and the Secured Parties may have in the Patent Collateral pursuant to the Collateral Documents, such that the Purchaser will purchase and take the transfer of such Patent Collateral free and clear of the security interests under the Collateral Documents.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby states as follows:

1. Definition of Patent Collateral. The term "Patent Collateral", as used herein, shall mean all of each Grantor's right, title and interest of every kind and nature as of the date hereof in any and all patents, patent applications and other patent rights, and any other governmental authority-issued indicia of invention ownership thereof, listed in Schedule 1 hereto, together with any and all inventions and improvements described and claimed therein (collectively, the "Patent Collateral").

2. Release of Security Interest. Agent, on behalf of itself and the Secured Parties, their successors, legal representatives and assigns, terminates, releases and discharges its security interest in and to the Patent Collateral, and all other right, title, and interest in and to the Patent Collateral and reassigns to the Grantors any and all such right, title and interest that it may have in the Patent Collateral. The Purchaser shall be an intended third-party beneficiary of this Release.

3. Further Assurances. Agent agrees to execute, acknowledge, procure and deliver to Grantors and the Purchaser any and all further documents or instruments and do any and all further acts which the Grantors or the Purchaser (or their respective agents, designees or assignees) reasonably request in order to confirm, effectuate or record this Release and Grantors' and the Purchaser, upon the consummation of the transactions contemplated by the Purchaser Agreement, or their respective assignees', right, title and interest in and to the Patent Collateral.

4. Governing Law. This Release and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Release and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

IN WITNESS WHEREOF, Agent has caused this Release to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

Wells Fargo Capital Finance, LLC,
as Agent

By: _____
Name: Patrick McCormack
Title: Vice President

[Patent Release (First Lien) Signature Page]

Schedule 1

PATENTS AND PATENT APPLICATIONS

FILE NUMBER	Title	MATTER TYPE	MATTER-SUB MATTER TYPE	STATUS	COUNTRY	PRIORITY DATE	DATE FILED	APPLICATION NUMBER	GRANT DATE	PATENT NUMBER	Owner / Assignee
OCLR 00250/DE	Tapered laser arrays	Utility	Utility - ORG	Issued	DE	Sep 27, 1996	Sep 18, 1997	97919150.9	Dec 5, 2001	69708911.8	Oclaro Technology Ltd
OCLR 00250/FR	Tapered laser arrays	Utility	Utility - ORG	Issued	FR	Sep 27, 1996	Sep 18, 1997	97919150.9	Dec 5, 2001	0937322	Oclaro Technology Ltd
OCLR 00250/JP	Tapered laser arrays	Utility	Utility - ORG	Issued	JP	Sep 27, 1996	Sep 18, 1997	10-515367	Dec 15, 2006	3891223	Oclaro Technology Ltd
OCLR 00250/US	Tapered laser arrays	Utility	Utility - ORG	Issued	US	Sep 27, 1996	Sep 18, 1997	09/269,406	Jun 19, 2001	6,249,536	Oclaro Technology Ltd
OCLR 00418/US	Pump laser diode with improved wavelength stability	Utility	Utility - ORG	Issued	US	Sep 11, 2002	Sep 11, 2002	10/242,497	Nov 16, 2004	6,819,702	Oclaro Technology Ltd
OCLR 00424/DEE	Stabilized laser source	Utility	Utility - EPPAT	Issued	DE	Sep 21, 1999	Sep 21, 1999	99810837.7	Dec 7, 2005	69928801.0	Oclaro Technology Ltd
OCLR 00424/FRE	Stabilized laser source	Utility	Utility - EPPAT	Issued	FR	Sep 21, 1999	Sep 21, 1999	99810837.7	Dec 7, 2005	1087479	Oclaro Technology Ltd
OCLR 00424/GBE	Stabilized laser source	Utility	Utility - EPPAT	Issued	GB	Sep 21, 1999	Sep 21, 1999	99810837.7	Dec 7, 2005	1087479	Oclaro Technology Ltd
OCLR 00424/US	Stabilized laser source	Utility	Utility - ORG	Issued	US	Sep 21, 1999	Sep 1, 2000	10/049,886	Aug 3, 2004	6,771,687	Oclaro Technology Ltd
OCLR 00426/DEE	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	DE	May 10, 2001	May 8, 2002	2405380.3	Jul 5, 2006	60212902.8	Oclaro Technology Ltd
OCLR 00426/FRE	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	FR	May 10, 2001	May 8, 2002	2405380.3	Jul 5, 2006	1261085	Oclaro Technology Ltd
OCLR 00426/GBE	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	GB	May 10, 2001	May 8, 2002	02405380.3	Jul 5, 2006	1261085	Oclaro Technology Ltd
OCLR 00426/JP	High power semiconductor laser diode	Utility	Utility - ORG	Issued	JP	May 10, 2001	May 9, 2002	2002-134066	Sep 3, 2010	4580612	Oclaro Technology Ltd
OCLR 00426/US	High power semiconductor laser diode	Utility	Utility - ORG	Issued	US	May 10, 2001	May 10, 2001	09/852,994	Aug 24, 2004	6,782,024	Oclaro Technology Ltd
OCLR 00426/US/C1	High power semiconductor laser diode	Utility	Utility - CIP	Issued	US	May 10, 2001	Jul 14, 2004	10/890,714	May 15, 2007	7,218,659	Oclaro Technology Ltd
OCLR 00427/US/C1	Anti-reflection coatings for semiconductor lasers	Utility	Utility - CIP	Issued	US	May 25, 2001	Dec 12, 2003	10/735,375	Feb 6, 2007	7,173,953	Oclaro Technology Ltd
OCLR 00428/CNT	High power semiconductor laser diode	Utility	Utility - NSPCT	Issued	CN	Apr 24, 2002	Apr 14, 2003	03809024.4	Aug 6, 2008	ZL03809024.4	Oclaro Technology Ltd
OCLR 00428/DEZ	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	DE	Apr 24, 2002	Apr 14, 2003	03715248.5	Oct 7, 2005	60302362.2	Oclaro Technology Ltd
OCLR 00428/FRZ	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	FR	Apr 24, 2002	Apr 14, 2003	03715248.5	Oct 7, 2005	1518304	Oclaro Technology Ltd
OCLR 00428/GBZ	High power semiconductor laser diode	Utility	Utility - EPPAT	Issued	GB	Apr 24, 2002	Apr 14, 2003	03715248.5	Oct 7, 2005	1518304	Oclaro Technology Ltd
OCLR 00428/JPT	High power semiconductor laser diode	Utility	Utility - NSPCT	Issued	JP	Apr 24, 2002	Apr 14, 2003	2004-500378	Sep 22, 2011	4827420	Oclaro Technology Ltd
OCLR 00428/US	High power semiconductor laser diode	Utility	Utility - ORG	Issued	US	Apr 24, 2002	Apr 24, 2002	10/131,335	Sep 28, 2004	6,798,815	Oclaro Technology Ltd
OCLR 00429/US	High power semiconductor laser diode and method for making such a diode	Utility	Utility - ORG	Issued	US	Sep 17, 2002	Sep 17, 2002	10/245,199	Mar 1, 2005	6,862,300	Oclaro Technology Ltd
OCLR 00429/US/D1	High power laser diode (Higher order mode control)	Utility	Utility - DIV	Issued	US	Sep 17, 2002	Sep 17, 2002	11/972,156	Nov 24, 2009	7,623,555	Oclaro Technology Ltd
OCLR 00453/US	Semiconductor laser	Utility	Utility - ORG	Issued	US	May 10, 2002	May 10, 2002	10/141,914	Apr 20, 2004	6,724,795	Oclaro Technology Ltd
OCLR 00480/CNT	Laser stabilisation using very high relative feedback	Utility	Utility - NSPCT	Issued	CN	Feb 13, 2003	Feb 9, 2004	200480004111.4	Sep 9, 2009	ZL200480004111.4	Oclaro Technology Ltd

OCLR 00480/GB	Laser stabilisation using very high relative feedback	Utility	Utility - ORG	Issued	GB	Feb 13, 2003	Feb 13, 2003	0303271.1	Aug 16, 2006	2398425	Oclaro Technology Ltd
OCLR 00480/US	Laser stabilisation using very high relative feedback	Utility	Utility - ORG	Issued	US	Feb 13, 2003	Feb 10, 2004	10/775,302	Aug 29, 2006	7,099,361	Oclaro Technology Ltd
OCLR 00696/DET	Stabilized laser source with very high feedback and narrow bandwidth	Utility	Utility - EPPAT	Issued	DE	Apr 27, 2004	Apr 25, 2005	05732666.2	Aug 15, 2012	1745532	Oclaro Technology Ltd
OCLR 00696/FRT	Stabilized laser source with very high feedback and narrow bandwidth	Utility	Utility - EPPAT	Issued	FR	Apr 27, 2004	Apr 25, 2005	05732666.2	Aug 15, 2012	1745532	Oclaro Technology Ltd
OCLR 00696/GBT	Stabilized laser source with very high feedback and narrow bandwidth	Utility	Utility - EPPAT	Issued	GB	Apr 27, 2004	Apr 25, 2005	05732666.2	Aug 15, 2012	1745532	Oclaro Technology Ltd
OCLR 00696/JPT	Stabilized laser source with very high feedback and narrow bandwidth	Utility	Utility - NSPCT	Issued	JP	Apr 27, 2004	Apr 25, 2005	2007-510147	Mar 16, 2012	4950030	Oclaro Technology Ltd
OCLR 00696/UST/C1	Stabilized laser source with very high feedback and narrow bandwidth	Utility	Utility - CIP	Pending	US	Apr 27, 2004	Jul 2, 2009	12/496,919			Oclaro Technology Ltd
OCLR 00836/UST	High Power semiconductor laser diode	Utility	Utility - NSPCT	Issued	US	Nov 21, 2005	Nov 20, 2006	12/094,316	May 11, 2010	7,715,457	Oclaro Technology Ltd
OCLR 00841/CNT	Structured wire-bond configuration to laser chip	Utility	Utility - NSPCT	Issued	CN	Jun 28, 2005	Jun 28, 2006	200680023687.4	Mar 27, 2013	ZL200680023687.4	Oclaro Technology Ltd
OCLR 00841/EPT	Structured wire-bond configuration to laser chip	Utility	Utility - NSPCT	Pending	EP	Jun 28, 2005	Jun 28, 2006	06755802.3			Oclaro Technology Ltd
OCLR 00841/JPT	Structured wire-bond configuration to laser chip	Utility	Utility - NSPCT	Pending	JP	Jun 28, 2005	Jun 28, 2006	2008-518985			Oclaro Technology Ltd
OCLR 00841/UST	Structured wire-bond configuration to laser chip	Utility	Utility - NSPCT	Pending	US	Jun 28, 2005	Jun 28, 2006	11/993,304			Oclaro Technology Ltd
OCLR 00842/JPT	Fuzzy Unpumped end section for high power laser diode chip	Utility	Utility - NSPCT	Pending	JP	Jun 28, 2005	Jun 28, 2006	2008-518984			Oclaro Technology Ltd
OCLR 00842/UST	High power semiconductor opto-electronic device	Utility	Utility - NSPCT	Issued	US	Jun 28, 2005	Jun 28, 2006	11/993,247	Feb 7, 2012	8,111,727	Oclaro Technology Ltd
OCLR 00898/CNT	Chirped pulsed laser source	Utility	Utility - NSPCT	Issued	CN	Oct 15, 2007	Oct 15, 2008	200880116303.2	Jul 4, 2012	ZL200880116303.2	Oclaro Technology Ltd
OCLR 00898/EPT	Chirped pulsed laser source	Utility	Utility - NSPCT	Pending	EP	Oct 15, 2007	Oct 15, 2008	08840144.3			Oclaro Technology Ltd
OCLR 00898/JPT	Chirped pulsed laser source	Utility	Utility - NSPCT	Pending	JP	Oct 15, 2007	Oct 15, 2008	2010-529286			Oclaro Technology Ltd
OCLR 00898/US	Chirped pulsed laser source	Utility	Utility - ORG	Issued	US	Oct 15, 2007	Oct 10, 2008	12/248,984	Jun 12, 2012	8,199,784	Oclaro Technology Ltd
OCLR 00900/DEE	Semiconductor laser device and method for fabrication thereof	Utility	Utility - EPPAT	Issued	DE	Feb 11, 1999	Feb 11, 1999	99101756.7	May 2, 2001	69900096.3	Avalon Photonics Ltd
OCLR 00900/FRE	Semiconductor laser device and method for fabrication thereof	Utility	Utility - EPPAT	Issued	FR	Feb 11, 1999	Feb 11, 1999	99101756.7	May 2, 2001	1035621	Avalon Photonics Ltd
OCLR 00900/GBE	Semiconductor laser device and method for fabrication thereof	Utility	Utility - EPPAT	Issued	GB	Feb 11, 1999	Feb 11, 1999	99101756.7	May 2, 2001	1035621	Avalon Photonics Ltd
OCLR 00900/US	Semiconductor laser device and method for fabrication thereof	Utility	Utility - ORG	Issued	US	Feb 11, 1999	Feb 9, 2000	09/501,561	Apr 2, 2002	6,365,427	Avalon Photonics Ltd
OCLR 00901/US	Vertical-cavity surface-emitting laser comprised of single laser elements	Utility	Utility - ORG	Issued	US	Nov 22, 1999	Nov 17, 2000	09/715,597	Jan 14, 2003	6,507,595	Avalon Photonics AG
OCLR 00902/US	A polarization-stable vertical cavity surface emitting laser device	Utility	Utility - ORG	Issued	US	Jan 17, 2001	Jan 14, 2002	10/050,087	Mar 1, 2005	6,862,310	Avalon Photonics Ltd
OCLR 00904/US	Indium phosphide-based vertical-cavity surface-emitting laser	Utility	Utility - ORG	Issued	US	Sep 18, 2001	Sep 16, 2002	10/244,343	Apr 13, 2004	6,721,348	Avalon Photonics AG
OCLR 00905/GBE	High speed vertical cavity surface emitting laser device (VCSEL) with low	Utility	Utility - EPPAT	Issued	GB	Apr 25, 2002	Apr 25, 2002	02009477.7	Oct 11, 2006	1357648	Avalon Photonics AG
OCLR 00905/US	High speed vertical cavity surface emitting laser device (VCSEL) with low	Utility	Utility - ORG	Issued	US	Apr 25, 2002	Apr 24, 2003	10/422,397	Jun 13, 2006	7,061,956	Avalon Photonics AG

OCLR 00907/EP	A vertical cavity surface emitting laser having improved transverse mode control	Utility	Utility - ORG	Pending	EP	Jul 7, 2003	Jul 7, 2003	03015307.6			Avalon Photonics AG
OCLR 00908/DEE	A high power top emitting vertical cavity surfaces emitting laser	Utility	Utility - EPPAT	Issued	DE	Sep 1, 2003	Sep 1, 2003	03019870.9	Aug 4, 2010	60333632.9	Avalon Photonics AG
OCLR 00908/FRE	A high power top emitting vertical cavity surfaces emitting laser	Utility	Utility - EPPAT	Issued	FR	Sep 1, 2003	Sep 1, 2003	03019870.9	Aug 4, 2010	1511138	Avalon Photonics AG
OCLR 00908/GBE	A high power top emitting vertical cavity surfaces emitting laser	Utility	Utility - EPPAT	Issued	GB	Sep 1, 2003	Sep 1, 2003	03019870.9	Aug 4, 2010	1511138	Avalon Photonics AG
OCLR 00908/UST/N1	High power top emitting vertical cavity surface emitting laser	Utility	Utility - CON	Issued	US	Sep 1, 2003	Aug 30, 2004	12/587,753	Aug 21, 2012	8,247,252	Oclaro Technology Ltd
OCLR 00915/US	Substrate patterning of VCSEL for hybrid integration	Utility	Utility - ORG	Issued	US	Apr 3, 2007	Mar 31, 2008	12/059,111	Dec 20, 2011	8,081,671	Oclaro Technology Ltd
OCLR 00918/EPT	High power semiconductor laser diodes	Utility	Utility - NSPCT	Pending	EP	Sep 20, 2007	Sep 18, 2008	08807113.9			Oclaro Technology Ltd
OCLR 00918/US/C1	Stress and smile optimisation	Utility	Utility - CIP	Issued	US	Sep 20, 2007	Sep 1, 2010	12/873,382	Nov 27, 2012	8,320,419	Oclaro Technology Ltd
OCLR 00918/US/D1	High power semiconductor laser diodes	Utility	Utility - DIV	Pending	US	Sep 1, 2010	Nov 27, 2012	13/686,840			Oclaro Technology Ltd
OCLR 00927/EPT	VCSEL with reduced RMS linewidth	Utility	Utility - NSPCT	Pending	EP	Sep 30, 2008	Sep 30, 2009	09785710.6			Oclaro Technology Ltd
OCLR 00927/UST	VCSEL with reduced RMS linewidth	Utility	Utility - NSPCT	Issued	US	Sep 30, 2008	Sep 30, 2009	13/121,885	Jan 15, 2013	8,355,423	Oclaro Technology Ltd
OCLR 00951/US	Laser package and method of assembly	Utility	Utility - ORG	Issued	US	Sep 24, 1993	Sep 24, 1993	126,259	Aug 1, 1995	5,438,580	Oclaro Photonics, Inc
OCLR 00952/US	Laser package with reversed laser diode	Utility	Utility - ORG	Issued	US	Feb 10, 1995	Feb 10, 1995	386,413	Aug 27, 1996	5,550,852	Oclaro Photonics, Inc
OCLR 00953/US	Reduced mode laser and method of fabrication	Utility	Utility - ORG	Issued	US	Apr 19, 1996	Apr 19, 1996	634,771	Dec 9, 1997	5,696,784	Oclaro Photonics, Inc
OCLR 00954/US	Laser diode system	Utility	Utility - ORG	Issued	US	Nov 12, 1996	Nov 12, 1996	745,446	Apr 28, 1998	5,745,519	Oclaro Photonics, Inc
OCLR 00955/US	Low divergence laser diode	Utility	Utility - ORG	Issued	US	Apr 4, 1997	Apr 4, 1997	832,646	Sep 1, 1998	5,801,403	Oclaro Photonics, Inc
OCLR 00956/US	InGaAsP/AlGaAs/GaAs hetero structure diode laser containing indium	Utility	Utility - ORG	Issued	US	Feb 14, 1997	Feb 14, 1997	08/800,768	Apr 27, 1999	5,898,721	Oclaro Photonics, Inc
OCLR 00957/US	Laser diode array with built-in current and voltage surge protection	Utility	Utility - ORG	Issued	US	Jan 29, 1996	Dec 15, 1997	08/990,347	Feb 22, 2000	6,028,878	Oclaro Photonics, Inc
OCLR 00961/US	Increasing laser beam power density	Utility	Utility - ORG	Issued	US	Nov 8, 2000	Nov 8, 2000	09/710,327	Dec 10, 2002	6,493,148	Oclaro Photonics, Inc
OCLR 00962/US	Focusing multiple laser beams	Utility	Utility - ORG	Issued	US	Nov 8, 2000	Nov 8, 2000	09/710,800	Feb 4, 2003	6,516,011	Oclaro Photonics, Inc
OCLR 00963/US	Diode beam transformation	Utility	Utility - ORG	Issued	US	Sep 28, 2001	Sep 28, 2001	09/967,751	Jul 29, 2003	6,600,605	Oclaro Photonics, Inc
OCLR 00964/US	Reliable laser diode stack	Utility	Utility - ORG	Issued	US	May 22, 2002	May 22, 2002	10/152,956	Jul 27, 2004	6,768,753	Oclaro Photonics, Inc
OCLR 00965/US	Improved fiber bundle alignment	Utility	Utility - ORG	Issued	US	Jun 4, 2002	Jul 30, 2002	10/207,369	Oct 5, 2004	6,799,899	Oclaro Photonics, Inc
OCLR 00966/US	Cleaving laser diodes having gratings	Utility	Utility - ORG	Issued	US	Jun 10, 2003	Jun 10, 2003	10/458,469	Apr 26, 2005	6,885,793	Oclaro Photonics, Inc
OCLR 00967/US	Low indium content quantum well structures	Utility	Utility - ORG	Issued	US	Apr 11, 2003	Apr 11, 2003	10/410,835	Aug 30, 2005	6,936,103	Oclaro Photonics, Inc
OCLR 00968/US	Stepped manifold array of microchannel heat sinks	Utility	Utility - ORG	Issued	US	Sep 20, 2003	Sep 20, 2003	10/666,999	Jun 6, 2006	7,058,101	Oclaro Photonics, Inc

OCLR 00969/US	GaInAsP/AlGaInP laser diodes with AlGaAs type II carrier blocking layer in the waveguide	Utility	Utility - ORG	Issued	US	Feb 16, 1999	Feb 16, 1999	09/250,900	Oct 2, 2001	6,298,077	Oclaro Photonics, Inc
OCLR 00970/US	Laser diodes with composite material systems which decouple refractive index and band gap profiles.	Utility	Utility - ORG	Issued	US	Feb 25, 1999	Feb 25, 1999	09/257,906	Oct 2, 2001	6,298,078	Oclaro Photonics, Inc
OCLR 00971/US	Printed circuit board waveguide	Utility	Utility - ORG	Issued	US	Mar 11, 1999	Mar 11, 1999	09/267,944	Apr 9, 2002	6,370,291	Oclaro Photonics, Inc
OCLR 00972/US	Increasing the yield of precise wavelength lasers	Utility	Utility - ORG	Issued	US	May 3, 2001	May 3, 2001	09/848,529	Sep 24, 2002	6,455,341	Oclaro Photonics, Inc
OCLR 00973/CNT	Laser emitting modules and methods of assembly	Utility	Utility - NSPCT	Issued	CN	Dec 17, 2007	Dec 17, 2008	200880120841.9	Apr 18, 2013	200880120841.9	Oclaro Photonics, Inc
OCLR 00973/CNT/D1	Laser emitting modules and methods of assembly	Utility	Utility - DIV	Pending	CN	Dec 17, 2007	Feb 1, 2012	201210022342.4			Oclaro Photonics, Inc
OCLR 00973/EPT	Laser emitting modules and methods of assembly	Utility	Utility - NSPCT	Pending	EP	Dec 17, 2007	Dec 17, 2008	08862579.3			Oclaro Photonics, Inc
OCLR 00973/JPT	Laser emitting modules and methods of assembly	Utility	Utility - NSPCT	Pending	JP	Dec 17, 2007	Dec 17, 2008	2010-538236			Oclaro Photonics, Inc
OCLR 00973/US	Laser emitting modules and methods of assembly	Utility	Utility - ORG	Pending	US	Dec 17, 2007	Dec 17, 2008	12/337,275			Oclaro Photonics, Inc
OCLR 00974/US	Methods for stacking laser emitter arrays	Utility	Utility - ORG	Issued	US	Jun 15, 2006	Jun 12, 2007	11/761,901	Mar 16, 2010	7,680,170	Oclaro Photonics, Inc
OCLR 00975/US	Apparatus and method of coupling a fiber optic device to a laser	Utility	Utility - ORG	Issued	US	Oct 6, 2006	Oct 6, 2007	11/978,207	Jan 11, 2011	7,866,897	Oclaro Photonics, Inc
OCLR 00976/US	Multiple emitter coupling device and methods with beam transform systems.	Utility	Utility - ORG	Issued	US	May 20, 2006	May 10, 2007	11/747,172	Nov 9, 2010	7,830,608	Oclaro Photonics, Inc
OCLR 00982/CNT	High brightness diode output methods and devices	Utility	Utility - NSPCT	Pending	CN	May 8, 2008	May 7, 2009	200980116402.5			Oclaro Photonics, Inc
OCLR 00982/EPT	High brightness diode output methods and devices	Utility	Utility - NSPCT	Pending	EP	May 8, 2008	May 7, 2009	09743689.3			Oclaro Photonics, Inc
OCLR 00982/JPT	High brightness diode output methods and devices	Utility	Utility - NSPCT	Pending	JP	May 8, 2008	May 7, 2009	2011-508676			Oclaro Photonics, Inc
OCLR 00982/UST	High brightness diode output methods and devices	Utility	Utility - NSPCT	Pending	US	May 8, 2008	May 7, 2009	12/990,215			Oclaro Photonics, Inc
OCLR 00985/CNT	Homogenization of far field fiber coupled radiation	Utility	Utility - NSPCT	Pending	CN	Jan 22, 2010	Jan 20, 2011	2011800151237			Oclaro Photonics, Inc
OCLR 00985/EPT	Homogenization of far field fiber coupled radiation	Utility	Utility - NSPCT	Pending	EP	Jan 22, 2010	Jan 20, 2011	11735195.7			Oclaro Photonics, Inc
OCLR 00985/JPT	Homogenization of far field fiber coupled radiation	Utility	Utility - NSPCT	Pending	JP	Jan 22, 2010	Jan 20, 2011	2012-550122			Oclaro Photonics, Inc
OCLR 00985/MYT	Homogenization of far field fiber coupled radiation	Utility	Utility - NSPCT	Pending	MY	Jan 22, 2010	Jan 20, 2011	2012003244			Oclaro Photonics, Inc
OCLR 00985/UST	Homogenization of far field fiber coupled radiation	Utility	Utility - NSPCT	Pending	US	Jan 22, 2010	Jan 20, 2011	13/522,692			Oclaro Photonics, Inc
OCLR 00989/CNT	Laser system with highly linear output	Utility	Utility - NSPCT	Pending	CN	Jan 8, 2010	Aug 19, 2010				Oclaro Technology Ltd
OCLR 00989/EPT	Laser system with highly linear output	Utility	Utility - NSPCT	Pending	EP	Jan 8, 2010	Aug 19, 2010	10760760.8			Oclaro Technology Ltd
OCLR 00989/JPT	Laser system with highly linear output	Utility	Utility - NSPCT	Pending	JP	Jan 8, 2010	Aug 19, 2010	2012-547955			Oclaro Technology Ltd
OCLR 00989/UST	Laser system with highly linear output	Utility	Utility - NSPCT	Pending	US	Jan 8, 2010	Nov 19, 2010	12/993,617			Oclaro Technology Ltd
OCLR 00993/EPT	Improvements to pump laser diode	Utility	Utility - NSPCT	Pending	EP	Apr 6, 2010	Apr 6, 2011	11716007.7			Oclaro Technology Ltd

OCLR 00993/JPT	Improvements to pump laser diode	Utility	Utility - NSPCT	Pending	JP	Apr 6, 2010	Apr 6, 2011	2013-503173			Oclaro Technology Ltd
OCLR 00993/UST	Improvements to pump laser diode	Utility	Utility - NSPCT	Pending	US	Apr 6, 2010	Apr 6, 2011	13/639,833			Oclaro Technology Ltd
OCLR 00995/CNT	Dual independent output pump scheme with single pump laser	Utility	Utility - ORG	Unfiled	CN	May 13, 2010		201180031235.1			Oclaro Technology Ltd
OCLR 00995/EPT	Dual independent output pump scheme with single pump laser	Utility	Utility - ORG	Pending	EP	May 13, 2010	Dec 7, 2012	11720165.7			Oclaro Technology Ltd
OCLR 00995/JPT	Dual independent output pump scheme with single pump laser	Utility	Utility - ORG	Unfiled	JP	May 13, 2010		2013-509624			Oclaro Technology Ltd
OCLR 00995/UST	Optical Amplifiers	Utility	Utility - ORG	Pending	US	May 13, 2010	Nov 13, 2012	13/697,776			Oclaro Technology Ltd
OCLR 01036/DEE	Wavelength stabilization of laser diodes	Utility	Utility - EPPAT	Issued	DE	Apr 30, 1999	Apr 25, 2000	00401137.5	Jun 3, 2009	60042293.3	Oclaro (North America), Inc.
OCLR 01036/FRE	Wavelength stabilization of laser diodes	Utility	Utility - EPPAT	Issued	FR	Apr 30, 1999	Apr 25, 2000	00401137.5	Jun 3, 2009	1049220	Oclaro (North America), Inc.
OCLR 01036/GBE	Wavelength stabilization of laser diodes	Utility	Utility - EPPAT	Issued	GB	Apr 30, 1999	Apr 25, 2000	00401137.5	Jun 3, 2009	1049220	Oclaro (North America), Inc.
OCLR 01036/US	Laser with wide operating temperature range	Utility	Utility - ORG	Issued	US	Apr 30, 1999	Apr 17, 2000	09/550,596	Oct 4, 2005	6,952,437	Oclaro (North America), Inc.
OCLR 01120/US	Surface emitting semiconductor laser	Utility	Utility - ORG	Issued	US	Dec 27, 1995	Dec 26, 1996	08/773,360	Oct 6, 1998	5,818,862	Oclaro (North America), Inc.
OCLR 01121/US	Laser device, notably for optical pumping, and method of fabricating it	Utility	Utility - ORG	Issued	US	Nov 21, 1995	Nov 20, 1996	08/753,093	Feb 10, 1998	5,717,711	Oclaro (North America), Inc.
OCLR 01127/US	Method for manufacturing a surface-emitting laser	Utility	Utility - ORG	Issued	US	Jul 4, 1996	Jul 4, 1996	08/885,843	Dec 29, 1998	5,854,088	Oclaro (North America), Inc.
OCLR 01137/US	Surface emitting semiconductor laser	Utility	Utility - ORG	Issued	US	Apr 3, 1997	Mar 26, 1998	09/053,704	Apr 18, 2000	6,052,398	Oclaro (North America), Inc.
OCLR 01200/US	Process and apparatus for the modulation and amplification of light beams	Utility	Utility - ORG	Issued	US	Jun 15, 1992	Jun 11, 1993	08/075,673	May 9, 1995	5,414,726	Oclaro (North America), Inc.
OCLR 01243/US	Process for producing an electrically controllable matrix of vertically structur	Utility	Utility - ORG	Issued	US	Jun 22, 1994	Jun 22, 1995	08/493,786	Jul 9, 1996	5,534,444	Oclaro (North America), Inc.
OCLR 01580/GB/P1	Pump wavelength stabilisation	Utility	Utility - ORG	Pending	GB	Oct 7, 2010	Oct 7, 2010	1016929.0			Oclaro Technology Ltd
OCLR 01582/US/P1	Package for compact and high power lasers	Utility	Utility - ORG	Allowed	US	Jan 11, 2011	Jan 11, 2011	13/004,579			Oclaro Photonics, Inc
OCLR 01621/CN/P1	High power laser beam walk-off	Utility	Utility - ORG	Pending	CN	Jul 21, 2011	Jul 21, 2011	201110218047.1			Oclaro Technology Ltd
OCLR 01621/WO	High power laser beam walk-off	Utility	Utility - ORG	Pending	WO	Jul 21, 2011	Jul 21, 2012	CN2012078796			Oclaro Technology Ltd
OCLR 01621U/CN/P1	High power laser beam walk-off	Model	Model - ORG	Issued	CN	Jul 21, 2011	Jul 21, 2011	201120275218.X	Jan 9, 2013		Oclaro Technology Ltd
OCLR 01626/GB	Moisture resistant VCSEL	Utility	Utility - ORG	Pending	GB	Aug 23, 2011	Mar 20, 2012	1204836.9			Oclaro Technology Ltd
OCLR 01626/US	Semiconductor Laser Device and a Method for Manufacturing a Semiconductor Laser Device	Utility	Utility - ORG	Pending	US	Aug 23, 2011	Sep 23, 2012	13/592,728			Oclaro Technology Ltd
OCLR 01626/WO	Moisture resistant VCSEL	Utility	Utility - ORG	Pending	WO		Aug 20, 2012	GB2012/052030			Oclaro Technology Ltd
OCLR 01628/GB/P1	Improved pump chip	Utility	Utility - ORG	Pending	GB	Apr 25, 2012	Apr 25, 2012	1207261.7			Oclaro Technology Ltd
OCLR 01635/US/P2	Spacial beam combining for multiple diode laser elements	Utility	Utility - NPNEW	Pending	US	Apr 2, 2012	Mar 6, 2013	13/787,546			Oclaro, Inc.