

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
APPLIED OPTOELECTRONICS, INC.	09/06/2007

RECEIVING PARTY DATA	
Name:	UNITED COMMERCIAL BANK
Street Address:	5201 Great America Parkway
Internal Address:	#300
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 51

Property Type	Number
Patent Number:	7026178
Patent Number:	7010013
Patent Number:	7010012
Patent Number:	6859481
Patent Number:	6795478
Patent Number:	6788466
Patent Number:	6782019
Patent Number:	6765948
Patent Number:	6765939
Patent Number:	6763053
Patent Number:	6763046
Patent Number:	6746777
Patent Number:	6736550
Patent Number:	6735224

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Patent Number:	6724796
Patent Number:	6697413
Patent Number:	6696307
Patent Number:	6669367
Patent Number:	6652707
Patent Number:	6638773
Patent Number:	6636544
Patent Number:	6611543
Patent Number:	6608855
Patent Number:	6603184
Patent Number:	6560265
Patent Number:	6560259
Patent Number:	6549556
Patent Number:	6471582
Patent Number:	6455908
Patent Number:	6448547
Patent Number:	6406795
Patent Number:	7478955
Patent Number:	7468286
Application Number:	10906964
Application Number:	10938996
Application Number:	10463067
Application Number:	10134891
Application Number:	09993239
Application Number:	10196651
Application Number:	10029058
Application Number:	10029008
Application Number:	11834873
Application Number:	11775396
Application Number:	11775409
Application Number:	11753162
Application Number:	11753082
Application Number:	12119607
Application Number:	11869619
Application Number:	11923882

Application Number:	11748580
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Application Number:	11828595
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CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	305945-105 APPLIED OPTO
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NAME OF SUBMITTER:	Erin O'Brien
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Total Attachments: 7

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of September 26, 2007 by and between UNITED COMMERCIAL BANK ("Agent") and APPLIED OPTOELECTRONICS, INC., a Texas corporation ("Grantor").

RECITALS

Grantor and Bank are parties to that certain Loan and Security Agreement of even date (as amended from time to time, the "Loan Agreement"). Capitalized terms used but not defined herein have the meaning assigned in the Loan Agreement.

NOW, THEREFORE, Grantor agrees as follows:

AGREEMENT

To secure performance of Grantor's obligations under the Loan Agreement, Grantor grants to Bank a security interest in all of Grantor's right, title and interest in Grantor's intellectual property whether presently existing or hereafter acquired (including without limitation those Copyrights, Patents and Trademarks listed on Schedules A, B and C hereto), including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits). This security interest is granted in conjunction with the security interest granted to Bank in the Loan Agreement. Each right, power and remedy of Agent provided for herein shall not preclude the simultaneous or later exercise by Agent of any or all other rights, powers or remedies.

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

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

Address of Grantor:

APPLIED OPTOELECTRONICS, INC.

1311 Jess Pirtle Blvd.
Sugar Land, TX 77478
Attention: Thompson Lin
Attention: N. Stephan Kinsella

By: *ML* *Ln*
Title: *CEO*

Address of Agent:

UNITED COMMERCIAL BANK

5201 Great America Parkway, #300
Santa Clara, CA 95054-1140
Attn: Yu-Fu Lin

By: *[Signature]*
Title: *V.P. & P. Relationship Manager*

EXHIBIT A

Copyrights

Title	Registration Number	Registration Date
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EXHIBIT B**Patents**

Description	Application Number	Application Date	Patent Number	Issue Date
Method for fabricating a VCSEL with ion-implanted current-confinement structure	09993239	111301	7026178	041106
Assembly with tapered, threaded ferrule housing for improved alignment of fiber with laser	10428390	050203	7010013	030706
Method and apparatus for reducing specular reflections in semiconductor lasers	09917068	072601	7010012	030706
Optically-pumped multiple-quantum well active region with improved distribution of optical pumping power	10196059	071602	6859481	022205
VCSEL with antiguide current confinement layer	10109288	032802	6795478	092104
Multiple reflectivity band reflector	10198683	071802	6788466	090704
VCSEL with heat-spreading layer	09931669	081601	6782019	082404
VCSEL assembly with edge-receiving optical devices	09855853	051501	6765948	072004
Multiple reflectivity band reflector with non-uniform profile and laser system employing same for laser wavelength monitoring	10198528	071802	6765939	072004
Laser having multiple reflectivity band reflector	10198373	071802	6763053	071304
Method and system employing multiple reflectivity band reflector for laser wavelength monitoring	10029008	122001	6763046	071304
Alternative substrates for epitaxial growth	09820072	032801	6746777	060804
Housing for passively aligning an optical fiber with a lens	10631633	073103	6736550	051804
Planar lightwave circuit for conditioning tunable laser output	10029018	122001	6735224	051104
Modified distributed bragg reflector (DBR) for vertical cavity surface-emitting laser (VCSEL) resonant wavelength tuning sensitivity control	09951087	091101	6724796	042004
Tunable vertical-cavity surface-emitting laser with tuning junction	10000672	103101	6697413	022404
Patterned phase shift layers for wavelength-selectable vertical cavity surface-emitting laser (VCSEL) arrays	09951160	091101	6696307	022404
Optical fiber with mirror for semiconductor laser	09974287	101001	6669367	123003
Method and apparatus for demounting workpieces from adhesive film	10134891	042902	6652707	112503
Method for fabricating single-mode DBR laser with improved yield	10159361	053102	6638773	102803
Overlapping wavelength-tunable vertical cavity surface-emitting laser (VCSEL) arrays	09951299	091101	6636544	102103

<u>Description</u>	<u>Application Number</u>	<u>Application Date</u>	<u>Patent Number</u>	<u>Issue Date</u>
Vertical-cavity surface-emitting laser with metal mirror and method of fabrication of same	10002994	113001	6611543	082603
Single-mode laser DBR laser with improved phase-shift section	10159347	053102	6608855	081903
Double heterostructure photodiode with graded minority-carrier blocking structures	09774480	013001	6603184	080503
Method and apparatus for polarizing light in a VCSEL	09951298	091101	6560265	050603
Spatially coherent surface-emitting, grating coupled quantum cascade laser with unstable resonance cavity	09854800	051401	6560259	050603
Vertical-cavity surface-emitting laser with bottom dielectric distributed bragg reflector	10002997	113001	6549556	041503
Adapter for coupling air duct to fan-driven vent	09929671	081401	6471582	102902
Multispectral radiation detectors using strain-compensating superlattices	09802368	030901	6455908	092402
Method for determining photodiode performance parameters	09769094	012401	6448547	091002
Compliant universal substrates for optoelectronic and electronic devices	09426273	102599	6406795	061802
Modular laser package system	11671587	020607	7478955	012009
Apparatus and method for coupling a fiber to a photodetector	10906964	031405		
Laser module with improved lens housing and associated methods	10938996	091004		
Alternative substrates for epitaxial growth	10463067	061703		
Method and apparatus for demounting workpieces from adhesive film	10134891	042902		
VCSEL with ion-implanted current-confinement structure	09993239	111301		
Single lasing-reflectivity peak reflector	10196651	071602		
Reflectively coupled zigzag waveguide device for wavelength locking	10029058	122001		
Multiple reflectivity band reflector for laser wavelength monitoring	10029008	122001		
System and method for securing optoelectronic packages for mounting components at a mounting angle	11867114	100407	7468286	122308
Predistortion circuit including distortion generator diodes with adjustable diode bias	11834873	080707		
Angled fiber ferrule having off-axis fiber through-hole and method of coupling an optical fiber at an off-axis angle	11775396	071007		
Laser drive circuit and method providing high limit clipping corresponding to low limit clipping in a laser	11775409	07/10/07		
Systems and methods for reducing clipping in multichannel modulated optical systems	11753162	05/24/07		
Systems and methods for reducing clipping in multichannel modulated optical systems	11753082	052407		

<u>Description</u>	<u>Application Number</u>	<u>Application Date</u>	<u>Patent Number</u>	<u>Issue Date</u>
Distributed feedback semiconductor laser including wavelength monitoring section	12119607	051308		
Distributed feedback laser with improved optical field uniformity and mode stability	11869619	100907		
Fixture assembly for use in assembling an optoelectronic package including components mounted at different angles	11923882	102507		
Laser with heater to reduce operating temperature range and method of using same	11748580	051507		
Controlling optical signal transmission to reduce optical signal degradation	11828595	072607		

EXHIBIT C

Trademarks

<u>Description</u>	<u>Serial / Registration Number</u>	<u>Application /Registration Date</u>
APPLIED OPTOELECTRONICS, INC.	3,001,557	09/27/05
AOI	2,832,440	04/13/04
APPLIED OPTOELECTRONICS, INC.	2,641,218	10/22/02
AOI	2,535,730	02/05/02
APPLIED OPTOELECTRONICS, INC.	2,580,484	06/11/02