

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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|-----------------------|-------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|-------------------------------|----------|----------------|--------------------|
| APPLIED OPTOELECTRONICS, INC. | | 09/06/2007 | CORPORATION: TEXAS |

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 |
| Entity Type: | CORPORATION: CALIFORNIA |

PROPERTY NUMBERS Total: 5

| Property Type | Number | Word Mark |
|----------------------|---------|-------------------------------|
| Registration Number: | 3001557 | APPLIED OPTOELECTRONICS, INC. |
| Registration Number: | 2832440 | AOI |
| Registration Number: | 2641218 | APPLIED OPTOELECTRONICS, INC. |
| Registration Number: | 2535730 | AOI |
| Registration Number: | 2580484 | APPLIED OPTOELECTRONICS, INC. |

CORRESPONDENCE DATA

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Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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 Address Line 2: 4401 Eastgate Mall
 Address Line 4: San Diego, CALIFORNIA 92121

CH \$140.00 3001557

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|-------------------------|-------------------------|
| ATTORNEY DOCKET NUMBER: | 305945-105 APPLIED OPTO |
| NAME OF SUBMITTER: | Erin O'Brien |
| Signature: | /Erin O'Brien/ |
| Date: | 02/25/2009 |

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:

Title:

Address of Agent:

UNITED COMMERCIAL BANK

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

By:

Title:

EXHIBIT A

Copyrights

| Title | Registration Number | Registration Date |
|--------------|----------------------------|--------------------------|
|--------------|----------------------------|--------------------------|

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 |