

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2849633

| | |
|---|--|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HAIJUN YUAN | 01/14/2008 |
| XUEHUA WU | 12/31/2007 |
| CHRISTOPHER LIN | 01/03/2008 |
| GIOVANNI BARBAROSSA | 12/31/2007 |
| RECEIVING PARTY DATA | |
| Name: | AVANEX CORPORATION |
| Street Address: | 40919 ENCYCLOPEDIA CIRCLE |
| City: | FREMONT |
| State/Country: | CALIFORNIA |
| Postal Code: | 94538 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14093405 |
| CORRESPONDENCE DATA | |
| Fax Number: | (412)945-5933 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 4124718815 |
| Email: | assignments@webblaw.com |
| Correspondent Name: | THE WEBB LAW FIRM PC |
| Address Line 1: | ONE GATEWAY CENTER, 420 FT. DUQUESNE BLV |
| Address Line 2: | SUITE 1200 |
| Address Line 4: | PITTSBURGH, PENNSYLVANIA 15222 |
| ATTORNEY DOCKET NUMBER: | 7271-140293 140108 |
| NAME OF SUBMITTER: | WILLIAM H. LOGSDON |
| SIGNATURE: | /William H. Logsdon/ |
| DATE SIGNED: | 05/09/2014 |
| Total Attachments: 3 | |
| source=14093405#page1.tif | |
| source=14093405#page2.tif | |

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

| | |
|--|--|
| 1. Name of conveying party(ies) Haijun Yuan Xuehua Wu Christopher Lin Giovanni Barbarossa Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Name and address of receiving party(ies) Name: <u>Avanex Corporation</u> Internal Address: _____ _____ Street Address: <u>40919 Encyclopedia Circle</u> _____ City: <u>Fremont</u> State: <u>California</u> Country: <u>United States</u> Zip: <u>94538</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>January 14, 2008, December 31, 2007, and January 3, 2008</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Mergers <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____ | 4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>14/093,405</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>William H. Logsdon</u> Internal Address: <u>The Webb Law Firm</u> _____ Street Address: <u>One Gateway Center</u> <u>420 Ft. Duquesne Blvd., Ste 1200</u> City: <u>Pittsburgh</u> State: <u>PA</u> Zip: <u>15222</u> Phone Number: <u>412-471-8815</u> Fax Number: <u>412-945-5933</u> Email Address: <u>assignments@webblaw.com</u> | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>0</u> <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers <u>1916</u> Expiration Date <u>05/2015</u> b. Deposit Account Number <u>23-0650</u> Authorized User Name _____ |
| 9. Signature: <u>William H. Logsdon</u> <u>May 9, 2014</u> <div style="display: flex; justify-content: space-between;"> Signature Date </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> William H. Logsdon Total number of pages including cover sheet, attachments, and documents: 3 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Name of Person Signing </div> | |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

| | | | |
|----|--|----|--|
| 1) | Haijun Yuan 4144 Garibaldi Place, Pleasanton, CA 94566 | 2) | Xuehua WU 104 Valley Oaks Loop Union City, CA 94587 |
| 3) | Christopher LIN 1211 Scott Street El Cerrito, CA 94530 | 4) | Giovanni BARBAROSSA 12430 Curry Court Saratoga, CA 95070 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

HIGH EXTINCTION RATIO LIQUID CRYSTAL OPTICAL SWITCH

enclosed herewith or for which application for Letters Patent in the United States was filed on _____, under Serial No. _____; and

WHEREAS, Avanex Corporation, a corporation of the State of Delaware, having a principal place of business at 40919 Encyclopedia Circle, Fremont, California 94538, (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a conventional, division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

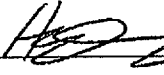
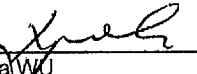
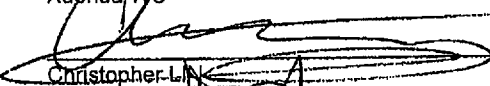

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, conventional, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefore and any Patents granted thereon, including without limitation opposition

proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

| | | |
|----|------------------------|--|
| 1) | <u>1/14/08</u> , 2007 | <u>1/14/08</u>  Haijun YUAN |
| 2) | <u>12/31/07</u> , 2007 |  Xuehua WU |
| 3) | <u>1/3/08</u> , 2007 |  Christopher LI |
| 4) | <u>12/31/07</u> , 2007 |  Giovanni BARBAROSSA |