

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Three-Five Systems, Inc. | 02/23/2004 |
| RECEIVING PARTY DATA | |
| Name: | Brilliant Corporation |
| Street Address: | 1600 North Desert Drive |
| City: | Tempe |
| State/Country: | ARIZONA |
| Postal Code: | 85281 |
| PROPERTY NUMBERS Total: 3 | |
| Property Type | Number |
| Application Number: | 10438511 |
| Application Number: | 11225683 |
| Application Number: | 12561351 |
| CORRESPONDENCE DATA | |
| Fax Number: | (612)492-7077 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 612-492-7000 |
| Email: | ip@fredlaw.com |
| Correspondent Name: | Fredrikson & Byron PA/Intellectual Prope |
| Address Line 1: | 200 South Sixth Street, Suite 4000 |
| Address Line 4: | Minneapolis, MINNESOTA 55402 |
| ATTORNEY DOCKET NUMBER: | 57968.0002 |
| NAME OF SUBMITTER: | Natalie D. Kadievitch |

Total Attachments: 18
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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the below signed inventor(s) of record, hereby assigns to:

THREE-FIVE SYSTEMS, INC.
1600 NORTH DESERT DRIVE
TEMPE, ARIZONA 85281-1230

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me this day, entitled:

"VERTICALLY ALIGNED NEMATIC MODE LIQUID CRYSTAL DISPLAY
HAVING LARGE TILT ANGLES AND HIGH CONTRAST"

this assignment including said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

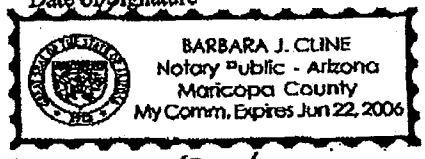
IN WITNESS THEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

Full Name of First or Sole Inventor: HEMASIRI VITHANA
Residence: 5362 WEST FAIRVIEW, MARICOPA COUNTY
CHANDLER, AZ 85226-4557
Citizenship: U.S.A.
Post Office Address: 5362 WEST FAIRVIEW, MARICOPA COUNTY
CHANDLER, AZ 85226-4557

[Signature]
Signature of Sole or First Inventor

May 15, 2003
Date of Signature

In the State of Arizona §
In the County of Maricopa §



Before me, the undersigned authority, on this 15 day of May, 2003 personally appeared HEMASIRI VITHANA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[Signature]
Notary or Consular Officer

[SEAL]

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PATENT
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REEL: 023671 FRAME: 0032

PATENT ASSIGNMENT

WHEREAS, Three-Five Systems, Inc. (hereafter "Assignor"), a New Jersey corporation, having an address at 1600 North Desert Drive, Tempe, Arizona is the owner of the U.S. Patents and Patent Applications listed in Appendix A (hereinafter the "Patent Properties"), attached hereto; and

WHEREAS, Brillian Corporation (hereafter "Assignee") a Delaware corporation, having an address at 1600 North Desert Drive, Tempe, Arizona, desires to acquire all right, title and interest in and to the Patent Properties;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over to Assignee, all its right, title and interest in and to the Patent Properties, as well as all provisionals, continuations, divisions, and continuations-in-part of said Patent Properties, and all reissues and extensions thereof, the same to be held and enjoyed by Assignee for its own use and benefit, and for the use and benefit of its successors, assigns, or legal representatives, to the end of the term or terms for which any individual patent of the Patent Properties may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

Assignor also assigns to Assignee, all right, title and interest in and to the inventions disclosed in said Patent Properties throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said Patent Properties in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said Patent Properties in appropriate registries; and Assignor further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

Assignor also assigns unto Assignee all claims for damages by reason of infringement prior to the assignment date of the Patent Properties throughout the world, with the

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right to sue for and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns and other legal representatives.

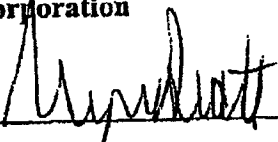
Assignor also will communicate to Assignee any facts known to it respecting any improvements; and, at the expense of Assignee, will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said Patent Properties in all countries.

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed on the dates and in the capacities shown below.

Three-Five Systems, Inc.

By: 
Name: George A. Pisaruk
Title: General Counsel
Date: February 23, 2004

Brilliant Corporation

By: 
Name: Wayne Pratt
Title: Chief Financial Officer
Date: February 23, 2004

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PATENT
REEL: 016998 FRAME: 0915

PATENT
REEL: 023671 FRAME: 0034

Appendix A

| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|--------------|
| 075115.0103 | AU | US | Multitransmitted Frames in a Liquid Crystal Display | | | | |
| 075115.0104 | | US | System and Method for Actuating a Liquid Crystal Display | 09/6885834 | October 9, 2000 | | |
| 075115.0105 | | US | System and Method for Handling the Input Video Stream for a Display | 09/912783 | July 25, 2001 | | |
| 075115.0106 | | US | Minimizing Frame Writing Time of a Liquid Crystal Display | 09/827559 | April 6, 2001 | | |
| 075115.0107 | 2000-02 AU | US | Aperture Frames for Liquid Crystal-Display Devices | 09/709903 | November 10, 2000 | 6414337B1 | July 2, 2002 |
| 075115.0108 | | US | Frame Pre-Writing in a Liquid Crystal Display | 09/740287 | December 18, 2000 | | |
| 075115.0109 | | US | Liquid Crystal Display Column Capacitance Charging with a Current Source | 09/827558 | April 6, 2001 | | |
| 075115.0110 | | US | System and Method for Providing Voltages for a Liquid Crystal Display | 09/815172 | July 25, 2001 | | |
| 075115.0111 | AU | US | Improved Brightness of a Liquid Crystal Display by Changing Write Direction | | | | |
| 075115.0112 | | US | Apparatus for Reducing Degradation of the Voltage Holding Ratio of a Cell of a Liquid Crystal Display Device | | | | |

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REEL: 016998 FRAME: 0916

Appendix A

| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|---------------|-------------|---------|---|-----------------|-------------------|------------|-----------------|
| 075115.0113 | | US | Apparatus for Maintaining a Uniform Cell Gap in a Liquid Crystal Display Device and Method of Making a Microdisplay Device Employing Same | | | | |
| 075115.0114 | | US | Asymmetric Liquid Crystal Actuation System and Method | 09/862075 | May 21, 2001 | | |
| 075115.0115 | AU | US | Nonphotolithography Based Simple, Cost Effective, High Volume Manufacturing Methods for ... | | | | |
| 075115.0116 | AU | US | High-Density Wire Bond Microdisplay | 09/678489 | October 3, 2000 | | |
| 075115.0117 | | US | LCD Having Internally Formed Spaces | 60/069463 | December 15, 1997 | | |
| 075115.0118 | | US | Method and Apparatus for Fabricating Micro-Display Devices | 09/146136 | September 3, 1998 | | |
| 075115.0118 1 | | US | Method and Apparatus for Fabricating Micro-Display Devices | 09/146136 | September 3, 1998 | | |
| 075115.0119 | AU | US | Display Compatible with Wide Range of LCD Material | 09/607681 | June 30, 2000 | | |
| 075115.0120 | AU | US | Micro-Display System Having Flex Circuit | | | | |
| 075115.0121 | | US | Method and Apparatus for Driving a Display | 09/774984 | January 31, 2001 | | |
| 075115.0122 | | US | Asymmetric Scribe and Break Silicon Wafer | 08/957984 | October 27, 1997 | 5963289 | October 5, 1999 |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|---------------|-------------|---------|---|-----------------|--------------------|------------|------------------|
| 075115.0126 | | US | Micro Display Optical Systems | 60/267443 | February 8, 2001 | | |
| 075115.0126 1 | AU | US | System and Method for Testing a Display Device | 10/072456 | February 7, 2002 | | |
| 075115.0128 | | US | Liquid Crystal on Silicon Device | 09/912754 | July 24, 2001 | 6686977 | February 3, 2004 |
| 075115.0129 | AU | US | System and Method for Providing Voltages for a Liquid Crystal Display | 10/123512 | April 16, 2002 | | |
| 075115.0130 | AU | US | Image Quality Improvement for Liquid Crystal Displays | 09/972746 | October 8, 2001 | | |
| 075115.0131 | AU | US | Image Sticking Suppression Using Conductive Openings in the Reflectivity Enhancement Coating Passiv | | | | |
| 075115.0150 | AU | US | Method and Algorithm for Fast Measurement of the Electro-Optical Response for Liquid Crystal on Silicon Microdisplays | 60/380662 | May 15, 2002 | | |
| 075115.0150 1 | AU | US | Testing Liquid Crystal Microdisplays | 10/313178 | December 6, 2002 | | |
| 075115.0151 | | US | Twice Folded Compound Magnified Virtual Image Electronic Display | 09/182951 | October 29, 1998 | 6603443B1 | August 5, 2003 |
| 075115.0152 | AU | US | Display Illumination System | 09/394014 | September 10, 1999 | 6433935B2 | August 13, 2002 |
| 075115.0153 | | US | Portable Transcription Device with Virtual Image Display | 09/226845 | January 7, 1999 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|--------------------|
| 075115.0154 | | US | Optical Method Employing Total Internal Reflection | 09/237996 | January 26, 1999 | 5959781 | September 28, 1999 |
| 075115.0155 | | US | Display System Having Multiple Memory Elements per Pixel with Improved Layout Design | 09/311805 | May 13, 1999 | 6140983 | October 31, 2000 |
| 075115.0156 | | US | Display System with Local Decoding | 09/311804 | May 13, 1999 | | |
| 075115.0157 | | US | Compact Display System with Two Stage Magnification and Immersed Beam Splitter | 08/673894 | July 2, 1996 | 5771124 | June 23, 1998 |
| 075115.0158 | | US | Display System Having Multiple Elements per Pixel | 09/079684 | May 15, 1998 | 6339417 | January 15, 2002 |
| 075115.0159 | | US | Miniature Synthesized Virtual Image Electronic Display | 08/775840 | December 31, 1996 | 5838498 | November 17, 1998 |
| 075115.0160 | AU | US | Virtual Image Display with Virtual Keyboard | 09/785024 | February 15, 2001 | | |
| 075115.0161 | AU | US | Compact Display System Controlled by Eye Position Sensor System | 09/372661 | August 11, 1999 | 6055110 | April 25, 2000 |
| 075115.0162 | | US | Transcription Method Using Virtual Image Display | 09/226738 | January 7, 1999 | | |
| 075115.0163 | | US | Display System with Multiplexed Pixels | 09/369685 | August 5, 1999 | | |
| 075115.0164 | | US | Compact Compound Magnified Virtual Display with Reflective/Transmissive Optic | 09/018259 | February 4, 1998 | 5991084 | November 23, 1999 |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|------------------|
| 075115.0165 | | US | Twice Folded Compound Magnified Virtual Image Electronic Display | 08/831106 | April 1, 1997 | 5870066 | February 9, 1999 |
| 075115.0166 | | US | Twice Folded Compound Magnified Virtual Image Electronic Display | 08/441529 | May 15, 1995 | 5684497 | November 4, 1997 |
| 075115.0167 | | US | Compact Display System with Two Stage Magnification and Immersed Beam Splitter | 09/033208 | March 2, 1998 | 5892624 | April 6, 1999 |
| 075115.0168 | | US | Twice Folded Compound Magnified Virtual Image Electronic Display | 08/831371 | April 1, 1997 | 5905478 | May 18, 1999 |
| 075115.0169 | | US | Head-Mounted Display with Miniature Synthesized Virtual Image Electronic Display | 09/018027 | February 2, 1998 | | |
| 075115.0170 | | US | Miniature Synthesized Virtual Image Electronic Display | 09/017048 | February 2, 1998 | 6094181 | July 25, 2000 |
| 075115.0171 | | US | Display Illumination System | 09/733774 | December 8, 2000 | 6404557B2 | June 11, 2002 |
| 075115.0172 | | US | Phone with Ergonomic Virtual Image Display | 09/031263 | February 26, 1998 | 6275714B1 | August 14, 2001 |
| 075115.0174 | | US | Balanced Binary Color Drive Method for Graphical Displays and System Implementing Same | 09/727095 | November 29, 2000 | | |
| 075115.0175 | | US | System and Method for Digitally Controlled Waveform Drive Methods for Graphical Displays | 09/727132 | November 29, 2000 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|--------------|
| 075115.0176 | | US | System and Method for Color and Grayscale Drive Methods for Graphical Displays Utilizing Analog Controlled | 09/737418 | December 14, 2000 | | |
| 075115.0177 | | US | Method for System and Method for Superframe Dithering in a Liquid Crystal Display | 09/792041 | February 21, 2001 | | |
| 075115.0178 | | US | System and Method for a Liquid Crystal Display Utilizing a High Voltage Bias Mode | 09/791888 | February 21, 2001 | | |
| 075115.0179 | | US | System and Method for a Head-Mounted Computer Display | 09/792408 | February 21, 2001 | | |
| 075115.0180 | AU | US | Optically Corrective Lenses for a Head-Mounted Computer Display | 09/792382 | February 21, 2001 | | |
| 075115.0181 | AU | US | S. M for Local Decoding of Digital Bit Seq. For Switching States of Pixel on Time Basis for Controlling Grayscale, Gamma Corr. | 09/792133 | February 21, 2001 | | |
| 075115.0182 | | US | System and Method for a Programmable Color Rich Display Controller | 09/792291 | February 21, 2001 | | |
| 075115.0183 | | US | Miniature Synthesized Virtual Image Electronic Display | 08/361035 | December 21, 1994 | 5644323 | July 1, 1997 |
| 075115.0184 | | US | Display Illumination System | 10/160901 | June 3, 2002 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|---|-----------------|-------------------|------------|------------------|
| 075115.0185 | | US | Compact Compound Magnified Virtual Image Electronic Display | 08/407102 | March 17, 1995 | 5625372 | April 29, 1997 |
| 075115.0186 | | US | Display System Having Multiple Memory Elements Per Pixel with Improved Layout Design | 09/999093 | November 15, 2001 | | |
| 075115.0187 | | US | Miniature Synthesized Virtual Image Electronic Display | 09/182952 | October 29, 1998 | 5973845 | October 26, 1999 |
| 075115.0188 | AU | US | Liquid Crystal Display System with Improved Color Depth and Grayscale | | | | |
| 075115.0189 | AU | US | Digital Microdisplay System Architecture with Integrated Dither Processing | | | | |
| 075115.0210 | | US | Display Illumination System | 10/217152 | August 12, 2002 | | |
| 075115.0235 | | US | Method to Eliminate the Disclination Defects Due to Fringe Fields in Vertically Aligned Nematic Reflective LC Displays Without Hurting the Display Contrast | 60/450370 | February 26, 2003 | | |
| 075115.0252 | 2000-04 | US | Image Quality Improvement for Liquid Crystal Displays | 60/263355 | January 22, 2001 | | |
| 075115.0253 | 2000-05 | US | System and Method for Minimizing Image Degradation in LCD Microdisplays | 10/004518 | November 2, 2001 | | |

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Appendix A

| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|-------------------|
| 075115.0262 | | US | Electrode Border for Spatial Light Modulating Displays | 09/520682 | March 7, 2000 | | |
| 075115.0263 | | US | Method and Apparatus for Independent Control of Brightness and Color Balance in Display and Illumination Systems | 09/258512 | February 26, 1999 | 6618031B1 | September 9, 2003 |
| 075115.0264 | | US | Micro Liquid Crystal Displays Having a Circular Cover Glass and a Viewing Area Free of Spacers | 09/312946 | May 17, 1999 | 6275277B1 | August 14, 2001 |
| 075115.0265 | | US | Micro Liquid Crystal Displays | 09/872933 | May 31, 2001 | | |
| 075115.0274 | | US | Display System Having Electrode Modulation to Alter a State of an Electro-Optic Layer | 08/920602 | August 27, 1997 | 6104367 | August 15, 2000 |
| 075115.0275 | | US | Method and Apparatus for Testing Color Sequential, Near-to-the-Eye, and Similar Display Devices | 60/244125 | October 27, 2000 | | |
| 075115.0276 | | US | Display System Having Electrode Modulation to Alter a State of an Electro-Optic Layer | 08/920603 | August 27, 1997 | 6144363 | November 7, 2000 |
| 075115.0281 | | US | Low Voltage Frame Buffer for High Contrast LCD Microdisplay and Method Therefor | 10/431229 | May 6, 2003 | | |
| 075115.0282 | | US | Method and Apparatus to Package and Electrically Connect to a Microdisplay | 10/043894 | November 16, 2001 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|---|-----------------|-------------------|------------|--------------------|
| 075115.0287 | | US | Display Driver Architecture for a Liquid Crystal Display and Method Therefore | 10/644476 | August 19, 2003 | | |
| 075115.0288 | | US | Liquid Crystal Display Driver Circuit with Optimized Frame Buffering and Method Therefore | 10/644151 | August 19, 2003 | | |
| 075115.0289 | | US | Display System Having Electrode Modulation to Alter a State of an Electro-Optic Layer | 08/994033 | December 18, 1997 | 6046716 | April 4, 2000 |
| 075115.0290 | | US | Display System Having Electrode Modulation to Alter a State of an Electro-Optic Layer | 09/542432 | April 4, 2000 | 6329971B2 | December 11, 2001 |
| 075115.0293 | | US | Head-Set for Head Mounted Display | 29/102147 | March 17, 1999 | Des429253 | August 8, 2000 |
| 075115.0294 | | US | Controlled Angle Retarder With Liquid Crystal Cell Bias Tuned for a Sequence of | 09/564473 | May 3, 2000 | 6587172B1 | July 1, 2003 |
| 075115.0295 | | US | Waveplate's Angle Retarder With Liquid Crystal Cell Bias Tuned for a Sequence of | 10/452414 | May 30, 2003 | | |
| 075115.0296 | | US | Waveplate's to Protect a Display From Fault Conditions | 09/311893 | May 14, 1999 | 6448962B1 | September 10, 2002 |
| 075115.0297 | | US | Wafer Scale Processing | 09/619969 | July 20, 2000 | 6476415B1 | November 5, 2002 |
| 075115.0298 | | US | Wafer Scale Processing | 10/131452 | April 22, 2002 | | |
| 075115.0300 | | US | Wide Field of View Eyepiece | 09/872073 | June 1, 2001 | 6542307B2 | April 1, 2003 |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|--------------------|------------|-------------------|
| 075115.0301 | | US | Method and Apparatus for Adjusted DC Offset Potential in a Liquid Crystal Display (LCD) Device | 09/983211 | May 21, 2001 | | |
| 075115.0302 | | US | Display Head-Set Device | 08/904515 | August 1, 1997 | 6034653 | March 7, 2000 |
| 075115.0303 | | US | Display Head-Set | 29/075082 | August 1, 1997 | D402651 | December 15, 1998 |
| 075115.0306 | | US | Image Generator Having a Miniature Display | 09/222230 | December 29, 1998 | | |
| 075115.0307 | | US | Pixel Partitioned Miniature Display System | 09/311891 | May 14, 1999 | 6326958B1 | December 4, 2001 |
| 075115.0308 | | US | Time Sequential Lookup Table Arrangement for a Display | 09/989764 | November 19, 2001 | | |
| 075115.0310 | | US | Image Generator Having an Improved Illumination System | 09/912156 | July 23, 2001 | 6488389B2 | December 3, 2002 |
| 075115.0311 | | US | Image Generator Having an Improved Illumination System | 09/347440 | July 2, 1999 | 6280054B1 | August 28, 2001 |
| 075115.0313 | | US | Illumination System for a Micro Display | 09/952980 | September 14, 2001 | 6490104B1 | December 3, 2002 |
| 075115.0314 | | US | Display System Having Common Electrode Modulation | 09/576759 | May 23, 2000 | 6304239B1 | October 16, 2001 |
| 075115.0315 | | US | Display System Having Common Electrode Modulation | 08/801994 | February 18, 1997 | 6078303 | June 20, 2000 |
| 075115.0316 | | US | Display System Having Common Electrode Modulation | 08/770233 | December 19, 1996 | 5920298 | July 6, 1999 |
| 075115.0318 | | US | Pixel Circuit with Shared Active Regions | 09/966310 | September 28, 2001 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|--------------------|------------|------------------|
| 075115.0320 | | US | High Contrast LCD Microdisplay | 09/966063 | September 28, 2001 | | |
| 075115.0324 | | US | Controlling Data Dependence and Cross-Talk Between Display Elements | 10/016295 | October 30, 2001 | | |
| 075115.0326 | | US | Compact Wide Field of View Imaging System | 09/872111 | June 1, 2001 | 6563648B2 | May 13, 2003 |
| 075115.0327 | | US | Wide Field of View Eyepiece | 60/242189 | October 20, 2000 | | |
| 075115.0328 | | US | Display Systems with Pixel Electrodes at Different Distances from a Control Electrode | 09/797540 | February 28, 2001 | 6636287B1 | October 21, 2003 |
| 075115.0329 | | US | Display Systems with Pixel Electrodes at Different Distances from a Control Electrode | 10/658167 | September 8, 2003 | | |
| 075115.0330 | | US | Display Systems with Pixel Electrodes at Different Distances from a Control Electrode | 10/435179 | May 9, 2003 | | |
| 075115.0331 | | US | Channel to Control Seal Width in Optical Devices | 09/872145 | June 1, 2001 | | |
| 075115.0332 | | US | Liquid Crystal Display Device | 09/866038 | May 24, 2001 | | |
| 075115.0335 | | US | Time Sequential Lookup Table Arrangement for a Display | 09/312196 | May 14, 1999 | 6373497B1 | April 16, 2002 |
| 075115.0123 | | WO | Methods and Apparatus for a Display Compatible with a Wide Range of Liquid Crystal Materials | US00/18075 | June 30, 2000 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|--|-----------------|-------------------|------------|------------|
| 075115.0124 | | WO | Asymmetric Scribe and Break of Silicon Wafers | US98/22691 | October 26, 1998 | | |
| 075115.0125 | | WO | LCD Having Internally Formed Spacers | | | | |
| 075115.0127 | | WO | Methods and Apparatus for a Display Compatible with a Wide Range of Liquid Crystal Materials | US01/41236 | June 29, 2001 | | |
| 075115.0132 | | WO | High-Density Wire Bond Microdisplay | US01/30579 | October 1, 2001 | | |
| 075115.0133 | | WO | System and Method for Actuating a Liquid Crystal Display | US01/31436 | October 9, 2001 | | |
| 075115.0135 | 2000-02 | WO | Aperture Frames for Liquid Crystal-Display Devices | US01/50906 | November 9, 2001 | | |
| 075115.0136 | | WO | Asymmetric Liquid Crystal Actuation System and Method | US01/49425 | December 19, 2001 | | |
| 075115.0137 | | WO | Frame Pre-Writing in a Liquid Crystal Display | US01/48959 | December 18, 2001 | | |
| 075115.0147 | | WO | Minimizing Frame Writing Time of a Liquid Crystal Display | US02/10194 | March 29, 2002 | | |
| 075115.0148 | | WO | Liquid Crystal Display Column Capacitance Charging with a Current Source | US02/10126 | March 29, 2002 | | |
| 075115.0173 | | WO | Compact Display System with Two Stage Magnification and Immersed Beam Splitter | US97/11498 | June 30, 1997 | | |

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Appendix A

| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|---|-----------------|-------------------|------------|------------|
| 075115.0190 | | WO | Compact Compound Magnified Virtual Image Electronic Display | US95/16598 | December 20, 1995 | | |
| 075115.0191 | AU | WO | Transcription Method Using Virtual Image Display | US00/00226 | | | |
| 075115.0196 | | WO | Balanced Binary Color Drive Method and Digitally Controlled Waveform Drive Methods for Graphical Displays and System Implementing | US01/44919 | November 29, 2001 | | |
| 075115.0197 | | WO | Same System and Method for Superframe Dithering in a Liquid Crystal Display | US02/05855 | February 20, 2002 | | |
| 075115.0198 | | WO | System and Method for a Liquid Crystal Display Utilizing a High Voltage Bias Mode | US02/05358 | February 20, 2002 | | |
| 075115.0199 | | WO | Optically Corrective Lenses for a Head-Mounted Computer Display | US02/05168 | February 20, 2002 | | |
| 075115.0200 | | WO | S. M for Local Decoding of Digital Bit Seq. For Switching States of Pixel on Time Basis for Controlling Grayscale, Gamma Corr. | US02/05169 | February 20, 2002 | | |
| 075115.0201 | | WO | System and Method for Programmable Color Rich Display Controller | US02/05359 | February 20, 2002 | | |
| 075115.0203 | | WO | Display System Having Multiple Elements per Pixel | US99/10719 | May 13, 1999 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|---|-----------------|-------------------|------------|------------|
| 075115.0206 | | WO | Transcription Device with Virtual Image Display | US99/30910 | December 23, 1999 | | |
| 075115.0209 | | WO | Display Illumination System | US00/23014 | August 22, 2000 | | |
| 075115.0212 | 2000-02 | WO | Aperture Frames for Liquid Crystal-Display Devices | US02/22297 | July 11, 2002 | | |
| 075115.0214 | | WO | System and Method for Handling the Input Video Stream for a Display | US02/23258 | July 23, 2002 | | |
| 075115.0216 | | WO | System and Method for Providing Voltages for a Liquid Crystal Display | US02/23260 | July 25, 2002 | | |
| 075115.0236 | | WO | System and Method for Providing Voltages for a Liquid Crystal Display | US03/11646 | April 16, 2003 | | |
| 075115.0250 | | WO | Testing Liquid Crystal Microdisplays | US03/15585 | May 15, 2003 | | |
| 075115.0254 | 2000-05 | WO | System and Method for Minimizing Image Degradation in LCD Microdisplays | US02/35108 | November 1, 2002 | | |
| 075115.0267 | | WO | Micro Liquid Crystal Displays | US00/13470 | May 16, 2000 | | |
| 075115.0272 | | WO | Display System Having Common Electrode Modulation | US97/21991 | December 2, 1997 | | |
| 075115.0285 | | WO | Method and Apparatus for Testing Color Sequential, Near-to-the-Eye, and Similar Display Devices | US01/51297 | October 26, 2001 | | |
| 075115.0299 | | WO | Compact Near-Eye Illumination System | US02/17277 | May 29, 2002 | | |

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| Case Matter | Client Ref. | Country | Title | Application No. | Filing Date | Patent No. | Issue Date |
|-------------|-------------|---------|---|-----------------|--------------------|------------|------------|
| 075115.0305 | | WO | An Image Generator Having a Miniature Display Device | US982/7833 | December 30, 1998 | | |
| 075115.0312 | | WO | Time Sequential Lookup Table Arrangement for a Display | US00/12983 | May 12, 2000 | | |
| 075115.0317 | | WO | Pixel Circuit with Shared Active Regions | US02/27416 | August 27, 2002 | | |
| 075115.0319 | | WO | High Contrast LCD Microdisplay | US02/28218 | August 22, 2002 | | |
| 075115.0321 | | WO | Reflective Displays Having Optical Tuning | US02/30339 | September 27, 2002 | | |
| 075115.0322 | | WO | Display System Having Electrode Modulation to Alter a State of an Electro-Optic Layer | US97/23863 | December 19, 1997 | | |
| 075115.0323 | | WO | Liquid Crystal Display Device | US02/21009 | May 23, 2002 | | |
| 075115.0325 | | WO | Controlling Data Dependence and Cross-Talk Between Display Elements | US02/32986 | October 15, 2002 | | |

RECORDED: 09/13/2005

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REEL: 016998 FRAME: 0930

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REEL: 023671 FRAME: 0049

RECORDED: 12/17/2009