

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Inviso Corporation	04/25/2002

RECEIVING PARTY DATA

Name:	Three-Five Systems, Inc.
Street Address:	1600 North Desert Drive
City:	Austin
State/Country:	TEXAS
Postal Code:	85281-1230

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	5905478

CORRESPONDENCE DATA

Fax Number: (512)322-8355
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 5123222601
Email: auspatdept@bakerbotts.com
Correspondent Name: Baker Botts L.L.P.
Address Line 1: Bruce W. Slayden II (075115.0168)
Address Line 2: 98 San Jacinto Blvd., Suite 1500
Address Line 4: Austin, TEXAS 78701-4039

NAME OF SUBMITTER:

Angela D. Loding

Total Attachments: 27

source=Inviso Corporation to Three-Five, Inc#page1.tif
source=Inviso Corporation to Three-Five, Inc#page2.tif
source=Inviso Corporation to Three-Five, Inc#page3.tif
source=Inviso Corporation to Three-Five, Inc#page4.tif
source=Inviso Corporation to Three-Five, Inc#page5.tif
source=Inviso Corporation to Three-Five, Inc#page6.tif

PATENT

REEL: 015703 FRAME: 0769

500021702

CH \$40.00 5905478

source=Inviso Corporation to Three-Five, Inc#page7.tif
source=Inviso Corporation to Three-Five, Inc#page8.tif
source=Inviso Corporation to Three-Five, Inc#page9.tif
source=Inviso Corporation to Three-Five, Inc#page10.tif
source=Inviso Corporation to Three-Five, Inc#page11.tif
source=Inviso Corporation to Three-Five, Inc#page12.tif
source=Inviso Corporation to Three-Five, Inc#page13.tif
source=Inviso Corporation to Three-Five, Inc#page14.tif
source=Inviso Corporation to Three-Five, Inc#page15.tif
source=Inviso Corporation to Three-Five, Inc#page16.tif
source=Inviso Corporation to Three-Five, Inc#page17.tif
source=Inviso Corporation to Three-Five, Inc#page18.tif
source=Inviso Corporation to Three-Five, Inc#page19.tif
source=Inviso Corporation to Three-Five, Inc#page20.tif
source=Inviso Corporation to Three-Five, Inc#page21.tif
source=Inviso Corporation to Three-Five, Inc#page22.tif
source=Inviso Corporation to Three-Five, Inc#page23.tif
source=Inviso Corporation to Three-Five, Inc#page24.tif
source=Inviso Corporation to Three-Five, Inc#page25.tif
source=Inviso Corporation to Three-Five, Inc#page26.tif
source=Inviso Corporation to Three-Five, Inc#page27.tif

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (the "Agreement"), is effective as of April 25, 2002 by and between **THREE FIVE SYSTEMS, INC.**, a Delaware corporation with its principal place of business at 1600 N. Desert Drive, Tempe, AZ 85281-1230 (hereinafter "TFS"), and **INVISIO CORPORATION**, having a principal place of business at c/o Alfred P. Hildebrand, P.O. Box 51175, Palo Alto, CA 94303 (hereinafter "INVISIO").

WITNESSETH:

WHEREAS, INVISIO has developed certain INVISIO Technology, hereinafter defined, and owns certain Rights to Technology as hereinafter defined in and to such INVISIO Technology;

WHEREAS, INVISIO and TFS have entered into an Private Sale Agreement (the "PSA"), effective as of April 25, 2002, pursuant to which INVISIO has agreed to assign all the Rights to Technology in and to such INVISIO Technology to TFS;

WHEREAS, TFS is interested in acquiring INVISIO's entire right, title and interest in and to the Rights to Technology; and

WHEREAS, after extensive negotiations, TFS and INVISIO have determined in good faith a price considered by TFS and INVISIO equivalent to the fair value of Rights to Technology;

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants set for the below, TFS and INVISIO agree as follows:

ARTICLE 1 – Definitions

For the purpose of this Agreement, the following terms shall have the following meanings:

- 1.1 "Rights to Technology" shall mean all rights in copyrights, trademarks (including all trademarks which are still authorized by the United States Patent Office to include, if they exist, Siliscape, InViso, Optiscape, Optiscape II, Optiscape III, eShades, eCase and ePack), design and collateral files (including but not limited to, those items described on Exhibit A attached hereto) on a worldwide basis now owned or hereafter acquired by INVISIO. TFS and INVISIO acknowledge and agree the Rights to Technology shall not include any "Assets" described in the PSA.

- 1.2 "INVISIO Technology" shall mean the INVISIO trademarks, copyrights, and other intellectual property rights, including the Rights to Technology.

ARTICLE 2 - Assignment

- 2.1 In exchange for the consideration given to INVISIO by TFS, INVISIO hereby irrevocably assigns, transfers and conveys to TFS, and TFS hereby accepts from INVISIO, INVISIO's entire right, title and interest in the Rights to Technology. INVISIO does not reserve or retain any interest whatsoever in such Rights to Technology.
- 2.2 INVISIO agrees to provide all reasonable assistance and execute any papers reasonably requested by TFS, at TFS' expense, to preserve and acquire TFS' title in and to the Rights to Technology and for the filing and granting of formal applications for attaining available legal protection based on the Rights to Technology.

ARTICLE 3 - INVISIO's Representations

INVISIO hereby represents to TFS that the following statements are true and correct:

3.1 Corporate Status, Power and Authority

- a) INVISIO has all requisite legal and corporate power to execute and deliver this Agreement and to sell and transfer the Rights to Technology and to carry out and perform its obligations hereunder.
- b) All corporate action on behalf of INVISIO, its directors and shareholders necessary to authorize INVISIO to enter into and perform this Agreement and perform its obligations hereunder has been taken. The execution and delivery of this Agreement by INVISIO has been duly authorized. This Agreement has been duly executed and delivered by INVISIO and constitutes a valid and legally binding agreement of INVISIO subject to laws of general application relating to bankruptcy, insolvency and relief of debtors.
- c) Neither the execution, delivery, and performance of this Agreement, nor the transfer of Rights to Technology hereunder, will result in or constitute any of the following" (1) a breach of any term or provision of this Agreement; or (2) the violation of any law, judgment, order or decree affecting the business of INVISIO.
- d) To the knowledge of the management of INVISIO, no authorization, consents, or approvals of any federal, state, county, or local regulatory

body or agency are required to be obtained or given (other than United States export control license or those which are ministerial in nature and which will not delay or invalidate the transactions contemplated herein), and no waiting period is required to expire in order that the transfer of rights contemplated hereunder may be consummated by **INVISIO**.

3.2 Existence of Rights to Technology

- a) **INVISIO** has all the rights, title and interest in the Rights to Technology free and clear of any claim, lien encumbrance; and **INVISIO** has not assigned any such rights to any other party. Except as otherwise stated in this Section 3.2, the Rights to Technology are transferred "as is, where is, and with all faults."
- b) To the knowledge of **INVISIO**'s management, there are no pending or threatened lawsuits concerning any aspect of the Rights to Technology transferred hereunder.

ARTICLE 4 – TFS Representations

TFS represents that **TFS** is a legal entity duly organized, existing, and in good standing under the laws of Delaware. The execution and delivery of this Agreement and the consummation of the transfer of the Rights to Technology by **TFS** has been duly authorized, and no further corporate authorization is necessary on the part of **TFS**.

ARTICLE 6- [Intentionally omitted]

ARTICLE 7 – Consideration

Except as otherwise agreed in writing by the parties, the consideration given pursuant to the PSA shall be the sole and exclusive consideration to be given by **TFS** to **INVISIO** for the transfers contemplated by this Agreement. Neither **TFS** nor **INVISIO** shall have any right whatsoever to any additional consideration, license fee, or royalty of any kind. **INVISIO** acknowledges that certain income from the licensing of portions of the Rights to Technology shall be paid by **TFS** to the Secured Parties (as defined in the PSA) pursuant to the PSA and **INVISIO** hereby directs **TFS** to make such payments for and on their behalf. **INVISIO** acknowledges that it received adequate consideration, including the reduction of indebtedness, for the direction of such income to the Secured Parties and that the direction of such income to the Secured Parties provides a material benefit to **INVISIO**.

ARTICLE 8 – INVISO's Obligations

At the times specified in the PSA, INVISO shall, unless waived by TFS, have delivered or have caused to be delivered to TFS those documents and releases described in the PSA.

ARTICLE 9 – General

- 9.1 Notices. Any notice, request or demand required or permitted under this Agreement shall be in writing and may be delivered by hand or by depositing the same either a) with the United States Postal Service, first class mail, postage prepaid, registered or certified, return receipt requested; or b) with one of the generally accepted commercial overnight courier services, charges prepaid; in either event addressed to the addressee at its principal office set forth hereinabove. A party may change its address for the purposes of this Agreement by written notice given in accordance herewith. Other business communications between the parties may be made by facsimile transmission or by use of any commonly accepted electronic mail service to such address or addresses as either party may designate.
- 9.2 Parties in Interest. All the terms and provisions of this Agreement shall be binding upon and inure to the benefit of and be enforceable by the parties hereto.
- 9.3 Entire Agreement. This Agreement, all of its Exhibits, and the PSA constitute the entire agreement between INVISO and TFS with respect to the subject matter hereof, supersedes all prior agreements and understandings, whether written or oral, and may be modified only by an agreement in writing executed by the party to be charged. The section headings contained herein are for convenience only and shall not be used to construe this Agreement. This Agreement may be executed in two or more counterparts, each of which shall constitute an original, but such counterparts together shall constitute one and the same instrument.
- 9.4 Severability. In case any one or more of the provisions contained in this Agreement shall, for any reason, be construed as invalid, illegal or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision of this Agreement.
- 9.5 Governing Law. This Agreement shall be governed by the laws of the State of Delaware and of the United States, without giving effect to any of the conflict of laws provisions thereof. In the event of any dispute relating to or concerning this Agreement, the parties will submit exclusively to the jurisdiction of any court of

competent jurisdiction sitting the State of Delaware, and will comply with all requirements necessary to give such court exclusive

- 9.6 Independence. Each of the parties is an independent contractor. Neither party had the authority to bind the other in any respect. Neither party shall claim any right, power, or authority to obligate the other in any manner.
- 9.7 Force Majeure. The performance of either party, required by this Agreement, shall be extended by a reasonable period of time if such performance of the respective party is impeded by an unforeseeable event beyond such party's control, which shall include but not be limited to acts of God, industrial actions, riots, wars, accidents, embargo or requisition (acts of government), so long as the effected party shall promptly notify and furnish the other party in writing with all relevant information regarding such event. Should any such event continue for more than three (3) months, either party shall have the right to terminate this Agreement upon written notice to that effect to the other party.
- 9.8 Controlling Agreement. In the event of any conflict between the provisions of this Agreement and the provisions of any other agreement supplied by one party to the other for use in connection with the performance for this Agreement, the provisions of this Agreement shall control.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement,
effective as of the date first set forth above.

THREE FIVE SYSTEMS, INC.

By: *Jeff Buchanan*
Name: Jeff Buchanan
Title: Executive V.P., CEO
Address: 1600 N. Desert Drive
Tempe, AZ 85281-1230

INVISIO CORPORATION

By: _____
Name: _____
Title: _____
Address: _____

IN WITNESS WHEREOF, the parties hereto have executed this Agreement,
effective as of the date first set forth above.

THREE FIVE SYSTEMS, INC.

By: _____
Name: _____
Title: _____
Address: 1600 N. Desert Drive
Tempe, AZ 85281-1230

INVISIO CORPORATION

By: ALF. P. HILDEBRAND
Name: ALFRED P. HILDEBRAND
Title: CHAIRMAN/SECRETARY
Address: 1555 EDGEWOOD DR.
FALO ALTO, CA 94303

**SUMMARY OF PATENT PORTFOLIO
FOR
INVISIO
[As of January 2002]**

I. ISSUED PATENTS

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,644,323
Issued: July 1, 1997
Serial No.: 08/361,035
Filed: December 21, 1994
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-701 (SILS 1001)

Patent Entitled: COMPACT COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,625,372
Issued: April 29, 1997
Serial No.: 08/407,102
Related Case: WSGR 17542-701 (SILS 1001)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-705 (SILS 1007)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,684,497
Issued: November 4, 1997
Serial No.: 08/441,529
Filed: May 15, 1995
Related Case: WSGR 17542-701, 17542-705 (SILS 1001, SILS 1007)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-706 (SILS 1007 CIP1)

Patent Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION AND IMMERSED BEAM SPLITTER
Patent No.: 5,771,124
Issued: June 23, 1998
Serial No.: 08/673,894
Filed: July 2, 1996
Related Cases: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-712 (SILS 4002)

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,838,498
Issued: November 17, 1998
Serial No.: 08/775,840
Filed: December 31, 1996
Related Case: WSGR 17542-701 (SILS 1001)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-718 (SILS 1001 CON1)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,905,478
Issued: May 18, 1999
Serial No.: 08/831,371
Filed: April 1, 1997
Related Case: WSGR 17542-701, 17542-705, 17542-706 (SILS 1001, SILS 1007, SILS 1007 CIP1)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-719 (SILS 1007 CIP1 CON2)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,870,068
Issued: February 9, 1999
Serial No.: 08/831,106
Filed: April 1, 1997
Related Case: WSGR 17542-706 (SILS 1007 CIP1)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-720 (SILS 1007 CIP1 CON3)

Patent Entitled: COMPACT COMPOUND MAGNIFIED VIRTUAL DISPLAY WITH REFLECTIVE/TRANSMISSIVE OPTIC
Patent No.: 5,991,084
Issued: November 23, 1999
Serial No.: 09/018,259
Filed: February 4, 1998
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-721

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 6,094,181
Issued: July 25, 2000
Serial No.: 09/017,048
Filed: February 2, 1998
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-728

Patent Entitled: VIRTUAL IMAGE DISPLAY SYSTEM UTILIZING
TOTAL INTERNAL REFLECTION

Patent No.: 5,892,624
Issued: April 6, 1999
Serial No.: 09/033,208
Filed: March 2, 1998
Related Case: 17542-712
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No. 17542-732

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY

Patent No.: 5,973,845
Issued: October 26, 1999
Serial No.: 09/182,952
Filed: October 29, 1998
Related Case: WSGR 17542-701, 17542-718, (SILS 1001 CON1, SILS 1001))
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No. 17542-733

Patent Entitled: DISPLAY SYSTEM HAVING MULTIPLE MEMORY ELEMENTS
PER PIXEL WITH IMPROVED LAYOUT

Patent No.: 6,140,983
Issue Date: October 31, 2000
Serial No.: 09/311,805
Filed: May 13, 1999
Related Case: WSGR 17542-731; 17542-736; 17542-748
Inventors: William Quanrud
Docket No.: 17542-735

Patent Entitled: OPTICAL METHOD EMPLOYING
TOTAL INTERNAL REFLECTION

Patent No.: 5,595,781
Issued: September 28, 1999
Serial No.: 09/237,996
Filed: January 26, 1999
Related Case: WSGR 17542-712; 17542-732
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-743

Patent Entitled: COMPACT DISPLAY SYSTEM CONTROLLED
BY EYE POSITION SENSOR SYSTEM

Patent No.: 6,055,110
Issued: April 25, 2000
Serial No.: 09/372,651
Filed: August 11, 1999
Related Case: WSGR 17542-712; 17542-732; 17542-743
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-749

Patent Entitled: PHONE WITH ERGONOMIC VIRTUAL IMAGE DISPLAY
Patent No.: 6,275,714
Issued: August 14, 2001
Serial No.: 09/031,263
Filed: February 26, 1998
Related Case: None
Inventors: Gregory Kintz and David Phillips
Docket No.: 17542-725

Application Entitled: DISPLAY SYSTEM HAVING MULTIPLE ELEMENTS
PER PIXEL
Patent No.: 6,339,417
Issue Date: January 15, 2002
Serial No.: 09/079,684
Filed: May 15, 1998
Related Case: WSGR 17542-735, 17542-736
Inventors: William Quanrud
Docket No.: 17542-731

II. ISSUED INTERNATIONAL PATENT APPLICATIONS

EP Patent Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 0799435
Patent Issue Date: July 28, 1999
Publication No.: 0799435
Publication Date: October 8, 1997
Serial No.: 95944160.1
Filed: December 20, 1995
Related Case: WSGR 17542-715 which is related to WSGR 17542-701, 17542-705, 17542-706
(SILS 1001, SILS 1007, SILS 1007CIP1)
Priority Date: December 20, 1995
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-724

AU Patent Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION
AND IMMERSED BEAM SPLITTER
Patent No.: 721357
Patent Issue Date: May 9, 2000
Publication No.: 721357
Publication Date: June 29, 2000
Serial No.: 35895/97
Filed: June 30, 1997
Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)
Priority Date: July 2, 1996
Inventors: Gregory Kintz and Alfred P. Hildebrand
Docket No.: 17542-738

JP Application Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 3206920
Patent Issue Date: September 10, 2001
Publication No.: 10-511190
Publication Date: October 27, 1998
Serial No.: 8-519,966
Filed: December 20, 1995
Related Cases: WSGR 17542-715 which is related to WSGR 17542-701, 17542-705, 17542-706
(SILS 1001, SILS 1007, SILS 1007CIP1)
Priority Date: December 20, 1995
Status: Issue fee paid; awaiting further action
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-723 (SILS 1007 CIP1 CON1)

III. PENDING U.S. PATENT APPLICATIONS

Application Entitled: HEAD-MOUNTED DISPLAY WITH MINIATURE SYNTHESIZED
VIRTUAL IMAGE ELECTRONIC DISPLAY
Serial No.: 09/018,027
Filed: February 2, 1998
Related Case: None

Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-729

Application Entitled: COMPACT DISPLAY SYSTEM CONTROLLED
BY EYE POSITION SENSOR SYSTEM
Serial No.: 09/182,951
Filed: October 29, 1998
Related Case: WSGR 17542-701, 17542-705, 17542-706, 17542-720, (SILS 1001, SILS
1007, SILS 1007 CIP1, CON2, SILS 1007)

Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-734

Application Entitled: DISPLAY SYSTEM WITH LOCAL DECODING
Serial No.: 09/311,804
Filed: May 13, 1999
Related Case: WSGR 17542-731; 17542-735, 17542-748

Inventors: William Quanrud
Docket No.: 17542-736

Application Entitled: TRANSCRIPTION DEVICE WITH
VIRTUAL IMAGE DISPLAY
Serial No.: 09/226,845
Filed: January 7, 1999
Related Case: None

Inventors: Alfred P. Hildebrand

Docket No.: 17542-741

Application Entitled: TRANSCRIPTION METHOD USING
VIRTUAL IMAGE DISPLAY

Serial No.: 09/226,738

Filed: January 7, 1999

Related Case: None

Inventors: Alfred P. Hildebrand
Docket No.: 17542-742

Application Entitled: DISPLAY SYSTEM WITH MULTIPLEXED PIXELS

Serial No.: 09/369,685

Filed: August 5, 1999

Related Case: WSGR 17542-731; 17542-735, 17542-736

Inventors: William Quanrud
Docket No.: 17542-748

Application Entitled: DISPLAY ILLUMINATION SYSTEM

Serial No.: 09/733,774

Filed: December 8, 2000

Related Case: WSGR 17542-745

Inventors: Chih-Li Chuang, Zehn-Wu, Michael J. Curley, Gregory J. Kintz
Docket No.: 17542-765

Application Entitled: VIRTUAL IMAGE DISPLAY WITH VIRTUAL KEYBOARD

Serial No.: 09/785,024

Filed: February 15, 2001

Related Case: Filed Same Day as 17542-754

Inventors: Alfred P. Hildebrand
Docket No.: 17542-751

Application Entitled: VIRTUAL IMAGE DISPLAY UNDER TOUCH PAD CONTROL

Serial No.: 09/785,025

Filed: February 15, 2001

Related Case: Filed Same Day as 17542-751

Inventors: Alfred P. Hildebrand
Docket No.: 17542-754

Application Entitled: DISPLAY ILLUMINATION SYSTEM

Serial No.: 09/394,014

Filed: September 10, 1999

Related Case: None

Inventors:
Docket No.:

Chih-Li Chuang, Zheng-Wu Li, Gregory Kintz, and Michael Curley
17542-745

Application Entitled: DISPLAY SYSTEM WITH MULTIPLEXED PIXELS
Serial No.: 09/369,685
Filed: August 5, 1999
Related Case: WSGR 17542-731; 17542-735, 17542-736; 17542-748

Inventors: William Quanrud
Docket No.: 17542-766

IV. PENDING INTERNATIONAL PATENT APPLICATIONS

Application Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Publication No.: WO 96/19746
Publication Date: June 27, 1996
Serial No.: PCT/US95/16598 (PCT, European Search)
Filed: December 20, 1995
Related Cases: WSGR 17542-701, 17542-705, 17542-706 (SILS 1001, SILS 1007, SILS 1007CIP1)
Priority Dates: December 21, 1994, March 17, 1995, May 15, 1995

Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-715 (SILS 1007 CIP1 WO)

Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION AND IMMERSED BEAM SPLITTER
Publication No.: WO98/00747
Publication Date: January 8, 1998
Serial No.: PCT/US97/11498 (PCT, European Search)
Filed: June 30, 1997
Related Case: WSGR 17542-712 (SILS 4002)
Priority Date: July 2, 1996

Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-726 (SILS 4002 PCT)

EP Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION AND IMMERSED BEAM SPLITTER

Publication No.: 0909402
Publication Date: April 21, 1999
Serial No.: 97932433.2
Filed: June 30, 1997
Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)
Priority Date: July 2, 1996

Inventors: Gregory Kintz and Alfred P. Hildebrand
Docket No.: 17542-737

**CA Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION
AND IMMersed BEAM SPLITTER**

Serial No.: 2,258,094
Filed: June 30, 1997
Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)
Priority Date: July 2, 1996

Inventors: Gregory Kintz and Alfred P. Hildebrand
Docket No. 17542-739

**JP Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION
AND IMMersed BEAM SPLITTER**

Publication No.: 2000-514204
Publication Date: October 24, 2000
Serial No.: 10-504430
Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)
Filed: June 30, 1997
Priority Date: July 2, 1996

Inventors: Gregory Kintz and Alfred P. Hildebrand
Docket No. 17542-740

**Application Entitled: DISPLAY SYSTEM HAVING MULTIPLE MEMORY ELEMENTS PER
PIXEL**

Publication No.: WO99/60557
Publication Date: November 25, 1999
Serial No.: PCT/US99/10719 (PCT, European Search)
Related Cases: WSGR 17542-731
Filed: May 13, 1999
Priority Date: May 15, 1998

Inventors: William Quanrud
Docket No. 17542-746

Application Entitled: TRANSCRIPTION DEVICE WITH VIRTUAL IMAGE DISPLAY

Publication No.: WO 00/41025
Publication Date: July 13, 2000
Serial No.: PCT/US99/30910
Filed: December 23, 1999
Related Cases: WSGR 17542-741
Priority Date: January 7, 1999

Inventors: Alfred P. Hildebrand
Docket No. 17542-755

Docket No.

17542-764

**Inviso Filed Patents**

(Liquid Crystal Devices, ICs, Color and Drive Algorithms, Vision)

My Reference No.:

INV1P001

Title:BALANCED BINARY COLOR DRIVE METHOD FOR
GRAPHICAL DISPLAYS AND SYSTEM IMPLEMENTING
SAMEInventor(s):

Neil Bergstrom, James R. Huston, Gang Xu

My Reference No.:

INV1P002

Title:SYSTEM AND METHOD FOR DIGITALLY CONTROLLED
WAVEFORM DRIVE METHODS FOR GRAPHICAL
DISPLAYSInventor(s):

James R. Huston, Neil Bergstrom, Gang Xu

My Reference No.:

INV1P003

Title:SYSTEM AND METHOD FOR COLOR AND GRAYSCALE
DRIVE METHODS FOR GRAPHICAL DISPLAYS UTILIZING
ANALOG CONTROLLED WAVEFORMSInventor(s):

James R. Huston, Jinsuk Kang

My Reference No.:

INV1P004

Title:SYSTEM AND METHOD FOR SUPERFRAME DITHERING IN
A LIQUID CRYSTAL DISPLAYInventor(s):

Neil Bergstrom, James R. Huston, Gang Xu

My Reference No.:

INV1P005

Title:SYSTEM AND METHOD FOR A LIQUID CRYSTAL DISPLAY
UTILIZING A HIGH VOLTAGE BIAS MODEInventor(s):

Mark Flynn, Gang Xu, Jinsuk Kang

My Reference No.:

INV1P006

Title:

Abandoned

Inviso Confidential

My Reference No.:Title:Inventor(s):

INV1P007

OPTICALLY CORRECTIVE LENSES FOR A HEAD-MOUNTED COMPUTER DISPLAY

James E. Sheedy, Alfred P. Hildebrand, Donald P. Porter

My Reference No.:Title:Inventor(s):

INV1P008

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR MULTI-LEVEL STOCHASTIC SPATIAL DITHERING FOR DISPLAYS

Louis D. Silverstein, Neil Bergstrom

My Reference No.:Title:Inventor(s):

INV1P009

SYSTEM AND METHOD FOR LOCAL DECODING OF A DIGITAL BIT SEQUENCE FOR SWITCHING STATES OF A PIXEL ON A TIME BASIS FOR CONTROLLING GRAYSCALE AND GAMMA CORRECTION

James R. Huston, Jinsuk Kang, Mike Gunter

My Reference No.:Title:Inventor(s):

INV1P010

SYSTEM AND METHOD FOR A COLOR RICH DISPLAY CONTROLLER

James R. Huston

My Reference No.:Title:Inventor(s):

INV1P011

SYSTEM AND METHOD FOR A LIQUID CRYSTAL DISPLAY UTILIZING FAST BINARY PIXEL SWITCHING

Gang Xu, Mark Flynn, James R. Huston, Neil Bergstrom

Inviso Confidential

** TOTAL PAGE.30 **

PATENT

REEL: 015703 FRAME: 0789

INTELLECTUAL PROPERTY

I. ISSUED PATENTS

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,644,323
Issued: July 1, 1997
Serial No.: 08/361,035
Filed: December 21, 1994
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-701 (SILS 1001)

Patent Entitled: COMPACT COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC
DISPLAY
Patent No.: 5,625,372
Issued: April 29, 1997
Serial No.: 08/407,102
Related Case: WSGR 17542-701 (SILS 1001)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-705 (SILS 1007)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE
ELECTRONIC DISPLAY
Patent No.: 5,684,497
Issued: November 4, 1997
Serial No.: 08/441,529
Filed: May 15, 1995
Related Case: WSGR 17542-701, 17542-705 (SILS 1001, SILS 1007)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-706 (SILS 1007 CIP1)

Patent Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION
AND IMMERSED BEAM SPLITTER
Patent No.: 5,771,124
Issued: June 23, 1998
Serial No.: 08/673,894
Filed: July 2, 1996
Related Cases: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-712 (SILS 4002)

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,838,498
Issued: November 17, 1998
Serial No.: 08/775,840
Filed: December 31, 1996
Related Case: WSGR 17542-701 (SILS 1001)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-718 (SILS 1001 CON1)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,905,478
Issued: May 18, 1999
Serial No.: 08/831,371
Filed: April 1, 1997
Related Case: WSGR 17542-701, 17542-705, 17542-706 (SILS 1001, SILS 1007, SILS 1007 CIP1)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-719 (SILS 1007 CIP1 CON2)

Patent Entitled: TWICE FOLDED COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,870,068
Issued: February 9, 1999
Serial No.: 08/831,106
Filed: April 1, 1997
Related Case: WSGR 17542-706 (SILS 1007 CIP1)
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-720 (SILS 1007 CIP1 CON3)

Patent Entitled: COMPACT COMPOUND MAGNIFIED VIRTUAL DISPLAY WITH REFLECTIVE/TRANSMISSIVE OPTIC
Patent No.: 5,991,084
Issued: November 23, 1999
Serial No.: 09/018,259
Filed: February 4, 1998
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-721

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 6,094,181
Issued: July 25, 2000
Serial No.: 09/017,048
Filed: February 2, 1998
Related Case: None
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-728

Patent Entitled: VIRTUAL IMAGE DISPLAY SYSTEM UTILIZING
TOTAL INTERNAL REFLECTION
Patent No.: 5,892,624
Issued: April 6, 1999
Serial No.: 09/033,208
Filed: March 2, 1998
Related Case: 17542-712
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No. 17542-732

Patent Entitled: MINIATURE SYNTHESIZED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 5,973,845
Issued: October 26, 1999
Serial No.: 09/182,952
Filed: October 29, 1998
Related Case: WSGR 17542-701, 17542-718, (SILS 1001 CON1, SILS 1001))
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No. 17542-733

Patent Entitled: DISPLAY SYSTEM HAVING MULTIPLE MEMORY ELEMENTS
PER PIXEL WITH IMPROVED LAYOUT
Patent No.: 6,140,983
Issue Date: October 31, 2000
Serial No.: 09/311,805
Filed: May 13, 1999
Related Case: WSGR 17542-731; 17542-736; 17542-748
Inventors: William Quanrud
Docket No.: 17542-735

Patent Entitled: OPTICAL METHOD EMPLOYING
TOTAL INTERNAL REFLECTION
Patent No.: 5,595,781
Issued: September 28, 1999
Serial No.: 09/237,996
Filed: January 26, 1999
Related Case: WSGR 17542-712; 17542-732
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-743

Patent Entitled: COMPACT DISPLAY SYSTEM CONTROLLED
BY EYE POSITION SENSOR SYSTEM
Patent No.: 6,055,110
Issued: April 25, 2000
Serial No.: 09/372,651
Filed: August 11, 1999
Related Case: WSGR 17542-712; 17542-732; 17542-743
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-749

Patent Entitled: PHONE WITH ERGONOMIC VIRTUAL IMAGE DISPLAY
 Patent No.: 6,275,714
 Issued: August 14, 2001
 Serial No.: 09/031,263
 Filed: February 26, 1998
 Related Case: None
 Inventors: Gregory Kintz and David Phillips
 Docket No.: 17542-725

Application Entitled: DISPLAY SYSTEM HAVING MULTIPLE ELEMENTS
 PER PIXEL
 Patent No.: 6,339,417
 Issue Date: January 15, 2002
 Serial No.: 09/079,684
 Filed: May 15, 1998
 Related Case: WSGR 17542-735, 17542-736
 Inventors: William Quanrud
 Docket No.: 17542-731

II. ISSUED INTERNATIONAL PATENT APPLICATIONS

EP Patent Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
 Patent No.: 0799435
 Patent Issue Date: July 28, 1999
 Publication No.: 0799435
 Publication Date: October 8, 1997
 Serial No.: 95944160.1
 Filed: December 20, 1995
 Related Case: WSGR 17542-715 which is related to WSGR 17542-701, 17542-705, 17542-706
 (SILS 1001, SILS 1007, SILS 1007CIP1)
 Priority Date: December 20, 1995
 Inventors: Alfred P. Hildebrand and Gregory Kintz
 Docket No.: 17542-724

AU Patent Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION
 AND IMMERSED BEAM SPLITTER
 Patent No.: 721357
 Patent Issue Date: May 9, 2000
 Publication No.: 721357
 Publication Date: June 29, 2000
 Serial No.: 35895/97
 Filed: June 30, 1997
 Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)
 Priority Date: July 2, 1996
 Inventors: Gregory Kintz and Alfred P. Hildebrand
 Docket No.: 17542-738

JP Application Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
Patent No.: 3206920
Patent Issue Date: September 10, 2001
Publication No.: 10-511190
Publication Date: October 27, 1998
Serial No.: 8-519,966
Filed: December 20, 1995
Related Cases: WSGR 17542-715 which is related to WSGR 17542-701, 17542-705, 17542-706
(SILS 1001, SILS 1007, SILS 1007CIP1)
Priority Date: December 20, 1995
Status: Issue fee paid; awaiting further action
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No. 17542-723 (SILS 1007 CIP1 CON1)

III. PENDING U.S. PATENT APPLICATIONS

Application Entitled: HEAD-MOUNTED DISPLAY WITH MINIATURE SYNTHESIZED
VIRTUAL IMAGE ELECTRONIC DISPLAY
Serial No.: 09/018,027
Filed: February 2, 1998
Related Case: None
Status: Abandoned Per Client
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-729

Application Entitled: COMPACT DISPLAY SYSTEM CONTROLLED
BY EYE POSITION SENSOR SYSTEM
Serial No.: 09/182,951
Filed: October 29, 1998
Related Case: WSGR 17542-701, 17542-705, 17542-706, 17542-720, (SILS 1001, SILS
1007, SILS 1007 CIP1, CON2, SILS 1007)
Status: Response to Office Action due March 17, 2002
Inventors: Alfred P. Hildebrand and Gregory Kintz
Docket No.: 17542-734

Application Entitled: DISPLAY SYSTEM WITH LOCAL DECODING
Serial No.: 09/311,804
Filed: May 13, 1999
Related Case: WSGR 17542-731; 17542-735, 17542-748
Status: Abandoned Per Client
Inventors: William Quanrud
Docket No.: 17542-736

Application Entitled: TRANSCRIPTION DEVICE WITH
VIRTUAL IMAGE DISPLAY
Serial No.: 09/226,845

Filed: January 7, 1999
Related Case: None
Status: Abandoned Per Client
Inventors: Alfred P. Hildebrand
Docket No.: 17542-741

Application Entitled: TRANSCRIPTION METHOD USING
VIRTUAL IMAGE DISPLAY

Serial No.: 09/226,738
Filed: January 7, 1999
Related Case: None
Status: Abandoned Per Client
Inventors: Alfred P. Hildebrand
Docket No.: 17542-742

Application Entitled: DISPLAY SYSTEM WITH MULTIPLEXED PIXELS

Serial No.: 09/369,685
Filed: August 5, 1999
Related Case: WSGR 17542-731; 17542-735, 17542-736
Status: Allow this application to go abandoned in favor of Continuation Application 766
filed on November 15, 2001
Inventors: William Quanrud
Docket No.: 17542-748

Application Entitled: DISPLAY ILLUMINATION SYSTEM

Serial No.: 09/733,774
Filed: December 8, 2000
Related Case: WSGR 17542-745
Status: Filed Request for Continued Examination and Amendment on November 13,
2001; awaiting Examiner Response
Inventors: Chih-Li Chuang, Zehn-Wu, Michael J. Curley, Gregory J. Kintz
Docket No.: 17542-765

Application Entitled: VIRTUAL IMAGE DISPLAY WITH VIRTUAL KEYBOARD

Serial No.: 09/785,024
Filed: February 15, 2001
Related Case: Filed Same Day as 17542-754
Status: Abandoned Per Client
Inventors: Alfred P. Hildebrand
Docket No.: 17542-751

Application Entitled: VIRTUAL IMAGE DISPLAY UNDER TOUCH PAD CONTROL

Serial No.: 09/785,025
Filed: February 15, 2001
Related Case: Filed Same Day as 17542-751
Status: Abandoned Per Client
Inventors: Alfred P. Hildebrand
Docket No.: 17542-754

Application Entitled: DISPLAY ILLUMINATION SYSTEM
 Serial No.: 09/394,014
 Filed: September 10, 1999
 Related Case: None
 Status: Filed Amendment on November 13, 2001; awaiting response from Examiner
 Inventors: Chih-Li Chuang, Zheng-Wu Li, Gregory Kintz, and Michael Curley
 Docket No.: 17542-745

Application Entitled: DISPLAY SYSTEM WITH MULTIPLEXED PIXELS
 Serial No.: 09/369,685
 Filed: August 5, 1999
 Related Case: WSGR 17542-731; 17542-735, 17542-736; 17542-748
 Status: Awaiting First Action
 Inventors: William Quanrud
 Docket No.: 17542-766

IV. PENDING INTERNATIONAL PATENT APPLICATIONS

Application Entitled: COMPOUND MAGNIFIED VIRTUAL IMAGE ELECTRONIC DISPLAY
 Publication No.: WO 96/19746
 Publication Date: June 27, 1996
 Serial No.: PCT/US95/16598 (PCT, European Search)
 Filed: December 20, 1995
 Related Cases: WSGR 17542-701, 17542-705, 17542-706 (SILS 1001, SILS 1007, SILS 1007CIP1)
 Priority Dates: December 21, 1994, March 17, 1995, May 15, 1995
 Status: Nationalized into Japan (17542-723) and Europe (17542-724)
 Inventors: Alfred P. Hildebrand and Gregory Kintz
 Docket No. 17542-715 (SILS 1007 CIP1 WO)

Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION AND IMMERSSED BEAM SPLITTER
 Publication No.: WO98/00747
 Publication Date: January 8, 1998
 Serial No.: PCT/US97/11498 (PCT, European Search)
 Filed: June 30, 1997
 Related Case: WSGR 17542-712 (SILS 4002)
 Priority Date: July 2, 1996
 Status: Nationalized into Europe (17542-737), Australia (17542-738), Canada (17542-739), and Japan (17542-740)
 Inventors: Alfred P. Hildebrand and Gregory Kintz
 Docket No. 17542-726 (SILS 4002 PCT)

EP Application Entitled: COMPACT DISPLAY SYSTEM WITH TWO STAGE MAGNIFICATION AND IMMERSSED BEAM SPLITTER
 Publication No.: 0909402
 Publication Date: April 21, 1999
 Serial No.: 97932433.2
 Filed: June 30, 1997
 Related Case: WSGR 17542-726 which is related to WSGR 17542-712 (SILS 4002)

Inventors: William Quanrud
Docket No. 17542-764

Library: Phoenix; Document #: 184674v7

RECORDED: 02/28/2005

PATENT
REEL: 015703 FRAME: 0797