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05-31-2001

101734609

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 5-24-01

Candescent Technologies Corporation
6320 San Ignacio Ave.
San Jose, CA 95119

2. Name and address of receiving party(ies):

Candescent Intellectual Property Services, Inc.
6320 San Ignacio Ave.
San Jose, CA 95119

3. Nature of conveyance:

☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other:

Execution Date:

Additional name(s) & address(es) attached?
☐ yes ☒ no

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date is:

A. Patent Application No.(s):

B. Patent No.(s):
SEE ATTACHED

Additional numbers attached? ☒ yes ☐ no

5. Name and address of party to whom correspondence concerning the document should be mailed:

Ronald J. Meetin
Skjerven, Morrill, MacPherson LLP
25 Metro Drive, Suite 700
San Jose, CA 95110

6. Total number of Patents involved: **80**

7. Total fee (37 CFR 3.41) $

☐ enclosed
☒ Authorized to be charged to Deposit Account

8. Deposit Account number: 23-0085
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Theodore S. Fahlen
Vice President of Intellectual Property and Research

5-17-01
Date

Total number of pages including cover sheet, attachments, and documents:

[redacted]

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 1 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 4/10/1992 For: "Self supporting flat video display" ☒ Patent: 5424605	Reel: 8274 Frame: 0650
☐ In re application: Application No.: Filed: 11/2/1994 For: "Self supporting flat video display" ☒ Patent: 5674351	Reel: 8280 Frame: 0089
☐ In re application: Application No.: Filed: 11/1/1994 For: "Self supporting flat video display" ☒ Patent: 5597518	Reel: 8280 Frame: 0018
☐ In re application: Application No.: Filed: 2/1/1993 For: "Grid addressed field emission cathode" ☒ Patent: 5541473	Reel: 8274 Frame: 0823
☐ In re application: Application No.: Filed: 1/5/1996 For: "Flat Panel Display With Gate Layer in Contact With Thicker Patterned Further Conductive Layer" ☒ Patent: 5798604	Reel: 8280 Frame: 0208

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 2 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 2/1/1993 For: "Internal support structure for flat panel displays" ☒ Patent: 5589731	Reel: 8280 Frame: 0319
☐ In re application: Application No.: Filed: 1/31/1994 For: "Structure of light-emitting device with raised black matrix for use in optical devices such as flat-panel CRT" ☒ Patent: 5477105	Reel: 8280 Frame: 0076
☐ In re application: Application No.: Filed: 3/31/1995 For: "Spacer structures for use in flat panel displays and methods for forming same" ☒ Patent: 5675212	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 5/25/1995 For: "Optical Devices Such as Flat Panel Cathode Ray Tube Having Raised Black Matrix" ☒ Patent: 5576596	Reel: 8274 Frame: 0654
☐ In re application: Application No.: Filed: 5/25/1995 For: "Fabrication of light-emitting device with raised black matrix for use in optical devices such as flat-panel CRT" ☒ Patent: 5725787	Reel: 8280 Frame: 0098

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 3 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 5/24/1995 For: "Method of fabricating flat panel device having internal support structure" ☒ Patent: 5667418	Reel: 8280 Frame: 0123
☐ In re application: Application No.: Filed: 7/20/1995 For: "Structure and operation of high voltage supports" ☒ Patent: 5614781	Reel: 8199 Frame: 0218
☐ In re application: Application No.: Filed: 12/12/1995 For: "Structure and operation of high voltage supports" ☒ Patent: 5746635	Reel: 8280 Frame: 0104
☐ In re application: Application No.: Filed: 10/30/1996 For: "Structures for Use in Flat Panel Displays & Methods for Forming Same" ☒ Patent: 5865930	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 7/11/1997 For: "Spacer Structures for Use in Flat Panel Displays and Methods for Forming Same" ☒ Patent: 5916396	Reel: 8280 Frame: 0362

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 4 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 10/31/1997 For: "Formation of Spacers Suitable for Use in Flat Panel Displays" ☒ Patent: 5985067	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 2/26/1999 For: "Spacer Structures for Use in Flat Panel Displays and Methods for Forming Same" ☒ Patent: 6157123	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 7/1/1993 For: "Structure & Method for enhancing electron emission from carbon containing cathode" ☒ Patent: 5463271	Reel: 8274 Frame: 0675
☐ In re application: Application No.: Filed: 5/22/1995 For: "Method for enhancing electron emission from carbon-containing cathode" ☒ Patent: 5728435	Reel: 8315 Frame: 0573
☐ In re application: Application No.: Filed: 9/8/1993 For: "Fabrication of filamentary field-emission device, including self-aligned gate" ☒ Patent: 5462467	Reel: 8280 Frame: 0215

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 5 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application:	Reel: 8274
Application No.:	Frame: 0682
Filed: 11/24/1993	
For: "Electron emitting devices having variously constituted electron emissive elements, including cones or pedestals"	
☒ Patent: 5559389	

☐ In re application:	Reel: 8274
Application No.:	Frame: 0668
Filed: 6/29/1994	
For: "Use of charged-particle tracks in fabricating gated electron-emitting devices"	
☒ Patent: 5564959	

☐ In re application:	Reel: 8283
Application No.:	Frame: 0492
Filed: 5/1/1995	
For: "Field emitter fabrication using charged particle tracks"	
☒ Patent: 5562516	

☐ In re application:	Reel: 8280
Application No.:	Frame: 0041
Filed: 5/22/1995	
For: "Field Emission Device That Utilizes Filamentary Electron-Emissive Elements and Typically Has Self-Aligned Gate"	
☒ Patent: 5851669	

☐ In re application:	Reel: 8280
Application No.:	Frame: 0005
Filed: 12/7/1995	
For: "Use of Early-Formed Lift-off Layer in Fabricating Gated Electron-Emitting Devices"	
☒ Patent: 5827099	

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 6 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 7/12/1996 For: "Use of Charged-Particle Tracks in Fabricating Electron-Emitting Device Having Resistive Layer" ☒ Patent: 5813892	Reel: 8280 Frame: 0101
☐ In re application: Application No.: Filed: 5/12/1997 For: "Fabrication of Electronic Devices By Method That Involves Ion Tracking" ☒ Patent: 5913704	Reel: 8274 Frame: 0668
☐ In re application: Application No.: Filed: 6/30/1998 For: "Structure and Fabrication of Filamentary Field-Emission Device, Including Self-aligned Gate" ☒ Patent: 6204596	Reel: 8280 Frame: 0041
☐ In re application: Application No.: Filed: 6/29/1994 For: "Electron-emitting devices utilizing electron-emissive particles which typically contain carbon" ☒ Patent: 5608283	Reel: 8237 Frame: 0378
☐ In re application: Application No.: Filed: 1/3/1997 For: "Fabrication of Electron-Emitting Devices Utilizing Electron-Emissive Particles Which TypicallyContain Carbon" ☒ Patent: 5900301	Reel: 8391 Frame: 0439

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 7 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/22/1993 For: "Flat panel device with ceramic backplate" ☒ Patent: 5686790	Reel: 8280 Frame: 0337
☐ In re application: Application No.: Filed: 6/7/1995 For: "Fabrication of Flat Panel Device Having Backplate That Includes Ceramic Layer" ☒ Patent: 5672083	Reel: 8280 Frame: 0034
☐ In re application: Application No.: Filed: 1/31/1994 For: "Field emitter with focusing ridges situated to sides of gate" ☒ Patent: 5528103	Reel: 8313 Frame: 0495
☐ In re application: Application No.: Filed: 6/29/1994 For: "Fabrication of electron-emitting structures using charged-particle tracks and removal of emitter material" ☒ Patent: 5607335	Reel: 8280 Frame: 0117
☐ In re application: Application No.: Filed: 6/1/1994 For: "Structure and fabrication of gated electron-emitting device having electron optics to reduce electron beam divergence" ☒ Patent: 5552659	Reel: 8274 Frame: 0658

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 8 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application:	Reel: 8280
Application No.:	Frame: 0094
Filed: 10/24/1995	
For: "Technique for increasing manufacturing yield of matrix addressable devices and related device structure"	
☒ Patent: 5897414	

☐ In re application:	Reel: 8668
Application No.:	Frame: 0471
Filed: 2/28/1997	
For: "Polycarbonate-containing liquid chemical formulation and method for making polycarbonate film"	
☒ Patent: 6180698	

☐ In re application:	Reel: 8637
Application No.:	Frame: 0582
Filed: 2/28/1997	
For: "Plasma etching using polycarbonate mask and low pressure-high density plasma"	
☒ Patent: 5972235	

☐ In re application:	Reel: 8280
Application No.:	Frame: 0188
Filed: 6/7/1996	
For: "Fabrication of gated electron-emitting devices utilizing distributed particles to define gate openings, typically in combination with lift-off of excess emitter material"	
☒ Patent: 6187603	

☐ In re application:	Reel: 8670
Application No.:	Frame: 0716
Filed: 2/28/1997	
For: "Formation of Polycarbonate Film with Apertures Determined By Etching Charged-Particles Tracks"	
☒ Patent: 5914150	

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 9 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 7/17/1996 For: "Spacer locator design for three dimensional focusing structure in a flat panel display" ☒ Patent: 5859502	Reel: 8280 Frame: 0110
☐ In re application: Application No.: Filed: 1/16/1998 For: "Structure and Fabrication of Flat Panel Display With Specially Arranged Spacer" ☒ Patent: 6049165	Reel: 9254 Frame: 0941
☐ In re application: Application No.: Filed: 7/18/1996 For: "Method for Displaying Frame of Pixel Information on Flat Panel Display" ☒ Patent: 5898266	Reel: 8280 Frame: 0001
☐ In re application: Application No.: Filed: 9/25/1998 For: "Spacer structures for a flat panel display & methods for operating same" ☒ Patent: 6064157	Reel: 8280 Frame: 0001
☐ In re application: Application No.: Filed: 9/25/1998 For: "Spacer structures for a flat panel display & methods for operating same" ☒ Patent: 6002198	Reel: 8280 Frame: 0001

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 10 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/7/1996 For: "Formation of layer having openings produced by utilizing particles deposited under influence of electric field" ☒ Patent: 5755944	Reel: 8190 Frame: 0735
☐ In re application: Application No.: Filed: 6/7/1996 For: "Fabrication of gated electron-emitting device utilizing distributed particles to define gate openings, and utilizing spacer material to control spacing between gate layer and electron-emitting elements" ☒ Patent: 5865659	Reel: 8463 Frame: 0931
☐ In re application: Application No.: Filed: 9/11/1998 For: "Fabrication of gated electron-emitting device utilizing distributed particles to define gate openings, and utilizing spacer material to control spacing between gate layer and electron-emitting elements" ☒ Patent: 6019658	Reel: 8463 Frame: 0931
☐ In re application: Application No.: Filed: 6/7/1996 For: "Fabrication of gated electron-emitting device utilizing distributed particles to form gate openings, typically beveled and/or combined with lift off or electrochemical removal of excess emitter material" ☒ Patent: 5865657	Reel: 8189 Frame: 0345
☐ In re application: Application No.: Filed: 3/5/1996 For: "Electrochemical removal of material, particularly excess emitter material in electron-emitting device" ☒ Patent: 5766446	Reel: 8463 Frame: 0888

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 11 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/30/1997 For: "Impedance-Assisted Electrochemical Removal of Material, Particularly Excess Emitter Material in Electron-Emitting Device" ☒ Patent: 5893967	Reel: 9024 Frame: 0673
☐ In re application: Application No.: Filed: 7/30/1997 For: "Multi-Step Removal of Excess Emitter Material in Fabricating Electron-Emitting Device" ☒ Patent: 6027632	Reel: 8994 Frame: 0988
☐ In re application: Application No.: Filed: 12/12/1996 For: "Gap jumping to seal structure including tacking of structure" ☒ Patent: 5820435	Reel: 8764 Frame: 433
☐ In re application: Application No.: Filed: 12/12/1996 For: "Gap jumping to seal structure including tacking of structure" ☒ Patent: 5820435	Reel: 9220 Frame: 0870
☐ In re application: Application No.: Filed: 4/29/1997 For: "Use of sacrificial masking layer and backside exposure in forming openings that typically receive light-emissive material, and associated light-emitting structure" ☒ Patent: 6046539	Reel: 8708 Frame: 0961

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 12 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 12/12/1996 For: "Local energy activation of getter typically in environment below room pressure" ☒ Patent: 6139390	Reel: 8764 Frame: 37
☐ In re application: Application No.: Filed: 12/23/1996 For: "Method of increasing resistance of flat - panel device to bending, and associated getter-containing flat-panel device" ☒ Patent: 5964630	Reel: 8500 Frame: 0806
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Ladder-like Emitter Electrode" ☒ Patent: 6002199	Reel: 8872 Frame: 0861
☐ In re application: Application No.: Filed: 8/28/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Large Control Openings in Specified, Typically Centered, Relationship to Focus Openings" ☒ Patent: 6201343	Reel: 8872 Frame: 0861
☐ In re application: Application No.: Filed: 5/28/1999 For: "Fabrication of Electron Emitting Device Having Ladder-Like Emitter Electrode" ☒ Patent: 6146226	Reel: 8872 Frame: 0861

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 13 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED

DETAILS OF PRIOR RECORDAL (IF ANY)

☐ In re application:

Application No.:

Filed: 7/30/1997

For: "Device and Method for Magnetically Sensing Current in Plate Structure"

Reel: 8688

Frame: 0585

☒ Patent: 6107806

☐ In re application:

Application No.:

Filed: 12/12/1996

For: "Gap jumping to seal structure typically using combination of vacuum and non-vacuum environments"

Reel: 8516

Frame: 0662

☒ Patent: 6109994

☐ In re application:

Application No.:

Filed: 12/12/1996

For: "Multi-compartment Getter-Containing Flat-Panel Display"

Reel: 8499

Frame: 0304

☒ Patent: 5977706

☐ In re application:

Application No.:

Filed: 2/25/1999

For: "Multi-compartment Getter-Containing Flat-Panel Display"

Reel: 8499

Frame: 0304

☒ Patent: 6194830

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 14 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 4/30/1997 For: "Field emitter fabrication using open circuit electrochemical lift off" ☒ Patent: 5863233	Reel: 8771 Frame: 0798
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure & Fabrication of Electron-Emitting Device Having Focus Coating that Extends Partway into Focus Openings" ☒ Patent: 6013974	Reel: 8872 Frame: 0811
☐ In re application: Application No.: Filed: 6/30/1997 For: "Multi-layer Resistor Suitable for Electron-Emitting Device and Associated Fabrication Method" ☒ Patent: 6013986	Reel: 8996 Frame: 0251
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Focus Coating Contacted Through Underlying Access Conductor" ☒ Patent: 5920151	Reel: 8872 Frame: 0835
☐ In re application: Application No.: Filed: 7/30/1997 For: "Magnetic Detection of Short Circuit Defects in Plate Structure" ☒ Patent: 6118279	Reel: 8688 Frame: 0589

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 15 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 9/30/1997 For: "Selective Removal of Material Using Self-Initiated Galvanic Activity in Electrolytic Bath" ☒ Patent: 6007695	Reel: 9119 Frame: 0929
☐ In re application: Application No.: Filed: 9/30/1997 For: "Cleaning of Electron-Emissive Elements" ☒ Patent: 6004180	Reel: 9119 Frame: 0959
☐ In re application: Application No.: Filed: 10/31/1997 For: "Undercutting Technique for Creating Coating in Spaced-Apart Segments" ☒ Patent: 6008062	Reel: 8801 Frame: 0236
☐ In re application: Application No.: Filed: 6/30/1997 For: "Electrochemistry for Removing Material, Particularly Excess Emitter Material in Electron-Emitting Device" ☒ Patent: 6120674	Reel: 8932 Frame: 0447
☐ In re application: Application No.: Filed: 10/31/1997 For: "Patterned Resistor Suitable for Electron-Emitting Device, and Associated Fabrication Method" ☒ Patent: 6144144	Reel: 9705 Frame: 0543

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 16 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application:	Reel: 8801
Application No.:	Frame: 0228
Filed: 10/31/1997	
For: "Protection of Electron-Emissive Elements Prior to Removing Excess Emitter Material During Fabrication of Electron-Emitting Device"	
☒ Patent: 6010383	
☐ In re application:	Reel: 9599
Application No.:	Frame: 0069
Filed: 5/26/1998	
For: "Cleaning of Flat-Panel Display "	
☒ Patent: 6113708	
☐ In re application:	Reel: 9424
Application No.:	Frame: 0649
Filed: 2/27/1998	
For: "Non-Hazardous Wet Etching Method"	
☒ Patent: 6103095	
☐ In re application:	Reel: 9364
Application No.:	Frame: 0032
Filed: 2/27/1998	
For: "Design and Fabrication of Flat-Panel Display Having Energy-Accommodating Spacer System"	
☒ Patent: 5990614	
☐ In re application:	Reel: 9256
Application No.:	Frame: 0375
Filed: 3/31/1998	
For: "Flat-Panel Display Having Spacer With Laterally Segmented Face Electrode"	
☒ Patent: 6107731	

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 17 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application:	Reel: 9403
Application No.:	Frame: 0082
Filed: 4/30/1998	
For: "Structure and Fabrication of Electron-Emitting Device Having Electrode With Openings that Facilitate Short-Circuit Repair"	
☒ Patent: 6107728	

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (the "Assignment Agreement"), effective as of December 5, 2000 (the "Effective Date"), is made by and among Candescent Technologies Corporation ("Candescent-U.S."), a California corporation having offices at 6320 San Ignacio Avenue, San Jose, California 95119, USA, Candescent-International Corporation Ltd. ("Candescent-International"), a Bermuda corporation having offices at Clarendon House, 2 Church Street, Hamilton HM11, Bermuda, and Candescent Intellectual Property Services, Inc. ("Candescent-Holding"), a Delaware corporation having offices at 6320 San Ignacio Avenue, San Jose, California 95119, USA.

BACKGROUND

Concurrent with the execution of this Assignment Agreement, Candescent-Holding and Candescent-U.S. have entered into a Candescent Intellectual Property Services, Inc. Stock Purchase Agreement, whereby Candescent-Holding will issue shares of its equity securities to Candescent-U.S., and an Intellectual Property License and Cooperation Agreement, whereby Candescent-U.S. will receive from Candescent-Holding a license to certain intellectual property (the "Holding/U.S. License Agreement").

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, it is agreed by and among the parties as follows:

1. Definitions. Except as defined below, all capitalized terms shall have the meaning set forth in the Framework Agreement.

1.1. "Agreements" shall have the meaning set forth in Section 1.3 of the Framework Agreement, which is hereby incorporated herein by reference.

1.2. "Candescent Intellectual Property" shall have the meaning set forth in Section 1.13 of the Framework Agreement, which is hereby incorporated by reference.

1.3. "Framework Agreement" shall mean that certain Amended and Restated Framework Agreement dated October 5, 2000, entered into by and among Candescent-U.S., Candescent-International, and Sony Corporation ("Sony").

1.4. "Holding/Sony License Agreement" shall mean that certain Holding/Sony License Agreement dated December 5, 2000, entered into by and between Candescent-Holding and Sony.

1.5. "Candescent U.S. Patent Rights" shall mean Candescent Intellectual Property consisting of patents and patent applications arising under the laws of the United States.

1.6. "Sony/U.S. License Agreement" shall mean that certain Sony/U.S. License Agreement dated December 5, 2000, entered into by and among Candescent-U.S., Candescent-International and Sony.

1.7. "Subject-Party Capture Period" shall mean the period ending January 1, 2007, unless earlier terminated as provided in the Framework Agreement and/or Holding/Sony License Agreement. In no event shall the Subject-Party Capture Period extend beyond either the Subject-Party Capture Period of the Framework Agreement or the Subject-Party Capture Period of the Holding/Sony License Agreement.

1.8. "Voting Interest" shall have the meaning set forth in Section 1.98 of the Framework Agreement, which is hereby incorporated herein by reference.

1.9. "Wholly Owned Affiliate" shall have the meaning set forth in Section 1.99 of the Framework Agreement, which is hereby incorporated herein by reference.

2. Assignment of Candescent Intellectual Property.

2.1. Existing Candescent Intellectual Property.

2.1.1 U.S. Patents. Subject to any non-exclusive licenses granted by Candescent-U.S. prior to the Effective Date hereof (including but not limited to the licenses to Sony contemplated by the Agreements), Candescent-U.S. hereby assigns to Candescent-Holding an undivided joint ownership interest in all Candescent U.S. Patent Rights existing as of the Effective Date, provided that Candescent-Holding simultaneously grants a license under such Candescent U.S. Patent Rights back to Candescent-U.S. in accordance with the terms and conditions of the Holding/U.S. License Agreement.

2.1.2 Other Candescent Intellectual Property. Subject to any non-exclusive licenses granted by Candescent-U.S. prior to the Effective Date hereof (including but not limited to the licenses to Sony contemplated by the Agreements), Candescent-U.S. hereby assigns to Candescent-Holding sole ownership of Candescent Intellectual Property (other than Candescent U.S. Patent Rights) existing as of the Effective Date, provided that Candescent-Holding simultaneously grants a license under such Candescent Intellectual Property back to Candescent-U.S. in accordance with the terms and conditions of the Holding/U.S. License Agreement.

2.1.3 Candescent-International. Candescent-U.S. and Candescent-International represent and warrant to Candescent-Holding that Candescent-International does not own any Candescent Intellectual Property as of the Effective Date.

2.2. Future Candescent Intellectual Property.

2.2.1 U.S. Patents. Subject to any non-exclusive licenses granted by Candescent-U.S. or Candescent-International or any Wholly Owned Affiliates of either of them, Candescent-U.S. and Candescent-International each agree to assign, and to cause each Wholly Owned Affiliate of either of them (other than Candescent-Holding) to assign, and do hereby

assign to Candescent-Holding an undivided joint ownership interest in all Candescent U.S. Patent Rights of each such entity which come into existence after the Effective Date, provided that Candescent-Holding simultaneously grants a license under such Candescent U.S. Patent Rights back to Candescent-U.S. in accordance with the terms and conditions of the Holding/U.S. License Agreement.

2.2.2 Other Future Candescent Intellectual Property. Subject to any non-exclusive licenses granted by Candescent-U.S. or Candescent-International or any Wholly Owned Affiliates of either of them, Candescent-U.S. and Candescent-International each agree to assign, and to cause each Wholly Owned Affiliate of either of them (other than Candescent-Holding) to assign, and do hereby assign to Candescent-Holding sole ownership of Candescent Intellectual Property (other than Candescent U.S. Patent Rights) of each such entity which comes into existence after the Effective Date, provided that Candescent-Holding simultaneously grants a license under such Candescent Intellectual Property back to Candescent-U.S. in accordance with the terms and conditions of the Holding/U.S. License Agreement.

2.2.3 Timing and Effectiveness. The assignments set forth in Sections 2.2.1 and 2.2.2 above shall become effective upon the later of (i) the time at which the assigning entity obtains ownership of the respective Candescent Intellectual Property, or (ii) (A) with respect to patent applications (and patents resulting therefrom) upon filing of the respective application, and (B) with respect to copyrights and trade secrets the time at which such copyrights and trade secrets come into existence under applicable law.

2.3 Non-Assignable Candescent Intellectual Property. In the event that both (i) joint ownership of Candescent U.S. Patent Rights cannot be assigned to Candescent-Holding in accordance with Sections 2.1.1 and 2.2.1 and/or sole ownership of Candescent Intellectual Property (other than Candescent U.S. Patent Rights) cannot be assigned to Candescent-Holding in accordance with Sections 2.1.2 and 2.2.2, and (ii) Candescent-U.S., Candescent-International or any Wholly Owned Affiliate of either of them (other than Candescent-Holding) has the right and ability to grant an exclusive license to Candescent-Holding as set forth below with the right to sublicense through multiple tiers of sublicensees (including to Candescent-U.S. in accordance with the Holding/U.S. License Agreement with the right to grant sublicenses and to Sony in accordance with the Holding/Sony License Agreement), the following license will be granted. In such event of (i) and (ii) above, Candescent-U.S. and Candescent-International grant, and agree to cause any Wholly Owned Affiliates of either of them (except Candescent-Holding) to grant, to Candescent-Holding an exclusive (except with respect to Candescent-U.S., Candescent-International and any Affiliates of any of these entities), royalty-free, transferable, irrevocable, worldwide license (with rights to sublicense through multiple tiers of sublicensees) to practice such non-assignable Candescent Intellectual Property of each such entity. If such non-assignable Candescent Intellectual Property is not licensable as set forth in (ii) above, then such non-assignable Candescent Intellectual Property will be licensed in accordance with the terms of the Sony/U.S. License Agreement.

2.4 Further Assurances. Candescent-U.S. and Candescent-International agree, and agree to cause the Wholly Owned Affiliates of such entity (other than Candescent-Holding), to

execute all documents and take all other actions requested by Candescent-Holding which are reasonably necessary, proper or advisable to evidence, consummate and make effective the assignments set forth in this Section 2. In the event any such entity is unable or unwilling to execute any such document or take any such action, each of them hereby appoints Candescent-Holding as its attorney-in-fact to execute such documents and take such actions on their behalf. Such appointment shall be deemed a power coupled with an interest and is therefore irrevocable for the term of this Assignment Agreement. Candescent-Holding shall only exercise such power if the applicable entity fails to execute the necessary document or take the necessary action within thirty (30) business days of Candescent-Holding's written request to do so.

2.5 Tangible Materials. No equipment or other tangible materials are transferred or assigned by reason of this Assignment Agreement.

3. Representation and Warranties.

3.1. Authority. Candescent-U.S. and Candescent-International each represent and warrant to Candescent-Holding, and Candescent-Holding represents and warrants to each of Candescent-U.S. and Candescent-International, that (i) it has the full right and authority to enter into this Assignment Agreement and grant the respective rights granted by it herein; and (ii) it has not previously granted and will not grant any rights in conflict with the respective rights granted by it herein.

3.2. Disclaimer. ALL CANDESCENT INTELLECTUAL PROPERTY IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. CANDESCENT-U.S., CANDESCENT-INTERNATIONAL, AND EACH WHOLLY OWNED AFFILIATE OF EITHER OF THEM EXPRESSLY DISCLAIM ANY WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, WITH RESPECT TO THE CANDESCENT INTELLECTUAL PROPERTY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, NON-INFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE, VALIDITY OF CANDESCENT INTELLECTUAL PROPERTY, PATENTED OR UNPATENTED, AND NON-INFRINGEMENT OF THE INTELLECTUAL PROPERTY RIGHTS OF THIRD PARTIES.

4. Term and Termination.

4.1. Term. This Assignment Agreement shall become effective upon the later of (i) the execution and delivery of the Holding/U.S. License Agreement and (ii) the date first set forth above and shall continue in effect until the end of the Subject-Party Capture Period, unless earlier terminated as set forth below.

4.2. Termination. Any party hereto shall have the right to terminate this Assignment Agreement at any time upon written notice to the other parties hereto upon termination or expiration of Candescent-U.S.'s and Candescent-International's obligation to assign ownership of Candescent Intellectual Property to Candescent-Holding under the Framework Agreement. In the event of termination, assignments of ownership of Candescent Intellectual Property completed (as described in Section 2.2.3) prior to the date of termination shall remain in effect;

provided that Candescent-U.S., Candescent-International and their Wholly Owned Affiliates shall have no obligation to assign any additional Candescent Intellectual Property after such termination.

5. General Provisions.

5.1. Governing Law. The Assignment Agreement and any dispute arising from the performance or breach hereof shall be governed by and construed and enforced in accordance with, the laws of the State of California, without reference to conflicts of laws.

5.2. Notices. All notices, requests and other communications under this Assignment Agreement shall be in writing and shall be personally delivered or sent by registered or certified mail, return receipt requested, postage prepaid, or by commercial overnight courier service with tracking capabilities, costs prepaid, in each case to the address first set forth above, or such other address as may be specified in writing to the other parties hereto.

5.3. Severability. In the event any provision of this Assignment Agreement is found to be invalid, illegal or unenforceable in any jurisdiction, the parties shall negotiate in good faith a valid, legal and enforceable substitute provision that most nearly reflects the original intent of the parties and all other provisions hereof shall remain in full force and effect in such jurisdiction and shall be liberally construed in order to carry out the intentions of the parties hereto as nearly as may be possible. Such invalidity, illegality or unenforceability shall not affect the validity, legality or enforceability of such provision in any other jurisdiction.

5.4. Modification; Waivers. No amendment, modification or waiver of any provision of this Assignment Agreement shall be effective unless in writing signed by all parties hereto. No provision of this Assignment Agreement shall be varied, contradicted or explained by any oral agreement, course of dealing or performance or any other matter not set forth in an agreement in writing and signed by all parties.

5.5. Counterparts; Third Party Beneficiaries. This Assignment Agreement may be signed in any number of counterparts, each of which shall be deemed an original, and all of which together, shall constitute one and the same instrument. No provision of this Assignment Agreement is intended to confer upon any person or entity other than the parties hereto any rights or remedies hereunder.

5.6. Assignment. This Assignment Agreement shall not be assignable (by operation of law or otherwise) by either party; except (i) by Candescent-U.S. and/or Candescent-International in connection with an assignment of the Agreements in accordance with Section 8.8 of the Framework Agreement, and (ii) by Candescent-Holding in connection with an assignment of the Holding/Sony License Agreement in accordance with Section 10.8 of the Holding/Sony License Agreement.

5.7. No Implied Waivers; Rights Cumulative. No failure on the part of any party to exercise and no delay in exercising any right under this Assignment Agreement, or provided by statute or at law or in equity or otherwise, shall impair, prejudice or constitute a waiver of any

such right, nor shall any partial exercise of any such right preclude any other or further exercise thereof or the exercise of any other right.

5.8. Independent Contractors. Nothing contained in this Assignment Agreement is intended implicitly, or is to be construed, to constitute Candescent-U.S., Candescent-International and Candescent-Holding as partners in the legal sense. Except as provided in Section 2.3 ("Further Assurances"), no party hereto shall have any express or implied right or authority to assume or create any obligations on behalf of or in the name of any other party or to bind any other party to any contract, agreement or undertaking with any third party.

5.9. Entire Agreement. This Assignment Agreement, the Candescent Intellectual Property Services, Inc. Stock Purchase Agreement and the Intellectual Property License and Cooperation Agreement embody the entire understanding between the parties with respect to their subject matter and supersede all previous communications, representations or understandings with respect thereto, either oral or written.

[Remainder of this page intentionally left blank]

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

CANDESCENT TECHNOLOGIES CORPORATION

By: _____
David L. White
President & C.E.O.

CANDESCENT TECHNOLOGIES INTERNATIONAL LTD.

By: _____
David L. White
President

By: _____
Harry A. Marshall
Director

CANDESCENT INTELLECTUAL PROPERTY SERVICES, INC.

By: _____
David L. White
President

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 1 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 4/10/1992 For: "Self supporting flat video display" ☒ Patent: 5424605	Reel: 8274 Frame: 0650
☐ In re application: Application No.: Filed: 11/2/1994 For: "Self supporting flat video display" ☒ Patent: 5674351	Reel: 8280 Frame: 0089
☐ In re application: Application No.: Filed: 11/1/1994 For: "Self supporting flat video display" ☒ Patent: 5597518	Reel: 8280 Frame: 0018
☐ In re application: Application No.: Filed: 2/1/1993 For: "Grid addressed field emission cathode" ☒ Patent: 5541473	Reel: 8274 Frame: 0823
☐ In re application: Application No.: Filed: 1/5/1996 For: "Flat Panel Display With Gate Layer in Contact With Thicker Patterned Further Conductive Layer" ☒ Patent: 5798604	Reel: 8280 Frame: 0208

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 2 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 2/1/1993 For: "Internal support structure for flat panel displays" ☒ Patent: 5589731	Reel: 8280 Frame: 0319
☐ In re application: Application No.: Filed: 1/31/1994 For: "Structure of light-emitting device with raised black matrix for use in optical devices such as flat-panel CRT" ☒ Patent: 5477105	Reel: 8280 Frame: 0076
☐ In re application: Application No.: Filed: 3/31/1995 For: "Spacer structures for use in flat panel displays and methods for forming same" ☒ Patent: 5675212	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 5/25/1995 For: "Optical Devices Such as Flat Panel Cathode Ray Tube Having Raised Black Matrix" ☒ Patent: 5576596	Reel: 8274 Frame: 0654
☐ In re application: Application No.: Filed: 5/25/1995 For: "Fabrication of light-emitting device with raised black matrix for use in optical devices such as flat-panel CRT" ☒ Patent: 5725787	Reel: 8280 Frame: 0098

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 3 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 5/24/1995 For: "Method of fabricating flat panel device having internal support structure" ☒ Patent: 5667418	Reel: 8280 Frame: 0123
☐ In re application: Application No.: Filed: 7/20/1995 For: "Structure and operation of high voltage supports" ☒ Patent: 5614781	Reel: 8199 Frame: 0218
☐ In re application: Application No.: Filed: 12/12/1995 For: "Structure and operation of high voltage supports" ☒ Patent: 5746635	Reel: 8280 Frame: 0104
☐ In re application: Application No.: Filed: 10/30/1996 For: "Structures for Use in Flat Panel Displays & Methods for Forming Same" ☒ Patent: 5865930	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 7/11/1997 For: "Spacer Structures for Use in Flat Panel Displays and Methods for Forming Same" ☒ Patent: 5916396	Reel: 8280 Frame: 0362

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 4 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 10/31/1997 For: "Formation of Spacers Suitable for Use in Flat Panel Displays" ☒ Patent: 5985067	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 2/26/1999 For: "Spacer Structures for Use in Flat Panel Displays and Methods for Forming Same" ☒ Patent: 6157123	Reel: 8280 Frame: 0362
☐ In re application: Application No.: Filed: 7/1/1993 For: "Structure & Method for enhancing electron emission from carbon containing cathode" ☒ Patent: 5463271	Reel: 8274 Frame: 0675
☐ In re application: Application No.: Filed: 5/22/1995 For: "Method for enhancing electron emission from carbon-containing cathode" ☒ Patent: 5728435	Reel: 8315 Frame: 0573
☐ In re application: Application No.: Filed: 9/8/1993 For: "Fabrication of filamentary field-emission device, including self-aligned gate" ☒ Patent: 5462467	Reel: 8280 Frame: 0215

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 5 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 11/24/1993 For: "Electron emitting devices having variously constituted electron emissive elements, including cones or pedestals" ☒ Patent: 5559389	Reel: 8274 Frame: 0682
☐ In re application: Application No.: Filed: 6/29/1994 For: "Use of charged-particle tracks in fabricating gated electron-emitting devices" ☒ Patent: 5564959	Reel: 8274 Frame: 0668
☐ In re application: Application No.: Filed: 5/1/1995 For: "Field emitter fabrication using charged particle tracks" ☒ Patent: 5562516	Reel: 8283 Frame: 0492
☐ In re application: Application No.: Filed: 5/22/1995 For: "Field Emission Device That Utilizes Filamentary Electron-Emissive Elements and Typically Has Self-Aligned Gate" ☒ Patent: 5851669	Reel: 8280 Frame: 0041
☐ In re application: Application No.: Filed: 12/7/1995 For: "Use of Early-Formed Lift-off Layer in Fabricating Gated Electron-Emitting Devices" ☒ Patent: 5827099	Reel: 8280 Frame: 0005

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 6 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 7/12/1996 For: "Use of Charged-Particle Tracks in Fabricating Electron-Emitting Device Having Resistive Layer" ☒ Patent: 5813892	Reel: 8280 Frame: 0101
☐ In re application: Application No.: Filed: 5/12/1997 For: "Fabrication of Electronic Devices By Method That Involves Ion Tracking" ☒ Patent: 5913704	Reel: 8274 Frame: 0668
☐ In re application: Application No.: Filed: 6/30/1998 For: "Structure and Fabrication of Filamentary Field-Emission Device, Including Self-aligned Gate" ☒ Patent: 6204596	Reel: 8280 Frame: 0041
☐ In re application: Application No.: Filed: 6/29/1994 For: "Electron-emitting devices utilizing electron-emissive particles which typically contain carbon" ☒ Patent: 5608283	Reel: 8237 Frame: 0378
☐ In re application: Application No.: Filed: 1/3/1997 For: "Fabrication of Electron-Emitting Devices Utilizing Electron-Emissive Particles Which TypicallyContain Carbon" ☒ Patent: 5900301	Reel: 8391 Frame: 0439

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 7 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/22/1993 For: "Flat panel device with ceramic backplate" ☒ Patent: 5686790	Reel: 8280 Frame: 0337
☐ In re application: Application No.: Filed: 6/7/1995 For: "Fabrication of Flat Panel Device Having Backplate That Includes Ceramic Layer" ☒ Patent: 5672083	Reel: 8280 Frame: 0034
☐ In re application: Application No.: Filed: 1/31/1994 For: "Field emitter with focusing ridges situated to sides of gate" ☒ Patent: 5528103	Reel: 8313 Frame: 0495
☐ In re application: Application No.: Filed: 6/29/1994 For: "Fabrication of electron-emitting structures using charged-particle tracks and removal of emitter material" ☒ Patent: 5607335	Reel: 8280 Frame: 0117
☐ In re application: Application No.: Filed: 6/1/1994 For: "Structure and fabrication of gated electron-emitting device having electron optics to reduce electron beam divergence" ☒ Patent: 5552659	Reel: 8274 Frame: 0658

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 8 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 10/24/1995 For: "Technique for increasing manufacturing yield of matrix addressable devices and related device structure" ☒ Patent: 5897414	Reel: 8280 Frame: 0094
☐ In re application: Application No.: Filed: 2/28/1997 For: "Polycarbonate-containing liquid chemical formulation and method for making polycarbonate film" ☒ Patent: 6180698	Reel: 8668 Frame: 0471
☐ In re application: Application No.: Filed: 2/28/1997 For: "Plasma etching using polycarbonate mask and low pressure-high density plasma" ☒ Patent: 5972235	Reel: 8637 Frame: 0582
☐ In re application: Application No.: Filed: 6/7/1996 For: "Fabrication of gated electron-emitting devices utilizing distributed particles to define gate openings, typically in combination with lift-off of excess emitter material" ☒ Patent: 6187603	Reel: 8280 Frame: 0188
☐ In re application: Application No.: Filed: 2/28/1997 For: "Formation of Polycarbonate Film with Apertures Determined By Etching Charged-Particles Tracks" ☒ Patent: 5914150	Reel: 8670 Frame: 0716

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 9 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 7/17/1996 For: "Spacer locator design for three dimensional focusing structure in a flat panel display" ☒ Patent: 5859502	Reel: 8280 Frame: 0110
☐ In re application: Application No.: Filed: 1/16/1998 For: "Structure and Fabrication of Flat Panel Display With Specially Arranged Spacer" ☒ Patent: 6049165	Reel: 9254 Frame: 0941
☐ In re application: Application No.: Filed: 7/18/1996 For: "Method for Displaying Frame of Pixel Information on Flat Panel Display" ☒ Patent: 5898266	Reel: 8280 Frame: 0001
☐ In re application: Application No.: Filed: 9/25/1998 For: "Spacer structures for a flat panel display & methods for operating same" ☒ Patent: 6064157	Reel: 8280 Frame: 0001
☐ In re application: Application No.: Filed: 9/25/1998 For: "Spacer structures for a flat panel display & methods for operating same" ☒ Patent: 6002198	Reel: 8280 Frame: 0001

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 10 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/7/1996 For: "Formation of layer having openings produced by utilizing particles deposited under influence of electric field" ☒ Patent: 5755944	Reel: 8190 Frame: 0735
☐ In re application: Application No.: Filed: 6/7/1996 For: "Fabrication of gated electron-emitting device utilizing distributed particles to define gate openings, and utilizing spacer material to control spacing between gate layer and electron-emitting elements" ☒ Patent: 5865659	Reel: 8463 Frame: 0931
☐ In re application: Application No.: Filed: 9/11/1998 For: "Fabrication of gated electron-emitting device utilizing distributed particles to define gate openings, and utilizing spacer material to control spacing between gate layer and electron-emitting elements" ☒ Patent: 6019658	Reel: 8463 Frame: 0931
☐ In re application: Application No.: Filed: 6/7/1996 For: "Fabrication of gated electron-emitting device utilizing distributed particles to form gate openings, typically beveled and/or combined with lift off or electrochemical removal of excess emitter material" ☒ Patent: 5865657	Reel: 8189 Frame: 0345
☐ In re application: Application No.: Filed: 3/5/1996 For: "Electrochemical removal of material, particularly excess emitter material in electron-emitting device" ☒ Patent: 5766446	Reel: 8463 Frame: 0888

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 11 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 6/30/1997 For: "Impedance-Assisted Electrochemical Removal of Material, Particularly Excess Emitter Material in Electron-Emitting Device" ☒ Patent: 5893967	Reel: 9024 Frame: 0673
☐ In re application: Application No.: Filed: 7/30/1997 For: "Multi-Step Removal of Excess Emitter Material in Fabricating Electron-Emitting Device" ☒ Patent: 6027632	Reel: 8994 Frame: 0988
☐ In re application: Application No.: Filed: 12/12/1996 For: "Gap jumping to seal structure including tacking of structure" ☒ Patent: 5820435	Reel: 8764 Frame: 433
☐ In re application: Application No.: Filed: 12/12/1996 For: "Gap jumping to seal structure including tacking of structure" ☒ Patent: 5820435	Reel: 9220 Frame: 0870
☐ In re application: Application No.: Filed: 4/29/1997 For: "Use of sacrificial masking layer and backside exposure in forming openings that typically receive light-emissive material, and associated light-emitting structure" ☒ Patent: 6046539	Reel: 8708 Frame: 0961

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 12 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 12/12/1996 For: "Local energy activation of getter typically in environment below room pressure" ☒ Patent: 6139390	Reel: 8764 Frame: 37
☐ In re application: Application No.: Filed: 12/23/1996 For: "Method of increasing resistance of flat - panel device to bending, and associated getter-containing flat-panel device" ☒ Patent: 5964630	Reel: 8500 Frame: 0806
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Ladder-like Emitter Electrode" ☒ Patent: 6002199	Reel: 8872 Frame: 0861
☐ In re application: Application No.: Filed: 8/28/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Large Control Openings in Specified, Typically Centered, Relationship to Focus Openings" ☒ Patent: 6201343	Reel: 8872 Frame: 0861
☐ In re application: Application No.: Filed: 5/28/1999 For: "Fabrication of Electron Emitting Device Having Ladder-Like Emitter Electrode" ☒ Patent: 6146226	Reel: 8872 Frame: 0861

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 13 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)

☐ In re application:
Application No.:
Filed: 7/30/1997
For: "Device and Method for Magnetically Sensing Current in Plate Structure"

Reel: 8688
Frame: 0585

☒ Patent: 6107806

☐ In re application:
Application No.:
Filed: 12/12/1996
For: "Gap jumping to seal structure typically using combination of vacuum and non-vacuum environments"

Reel: 8516
Frame: 0662

☒ Patent: 6109994

☐ In re application:
Application No.:
Filed: 12/12/1996
For: "Multi-compartment Getter-Containing Flat-Panel Display"

Reel: 8499
Frame: 0304

☒ Patent: 5977706

☐ In re application:
Application No.:
Filed: 2/25/1999
For: "Multi-compartment Getter-Containing Flat-Panel Display"

Reel: 8499
Frame: 0304

☒ Patent: 6194830

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 14 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 4/30/1997 For: "Field emitter fabrication using open circuit electrochemical lift off" ☒ Patent: 5863233	Reel: 8771 Frame: 0798
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure & Fabrication of Electron-Emitting Device Having Focus Coating that Extends Partway into Focus Openings" ☒ Patent: 6013974	Reel: 8872 Frame: 0811
☐ In re application: Application No.: Filed: 6/30/1997 For: "Multi-layer Resistor Suitable for Electron-Emitting Device and Associated Fabrication Method" ☒ Patent: 6013986	Reel: 8996 Frame: 0251
☐ In re application: Application No.: Filed: 5/30/1997 For: "Structure and Fabrication of Electron-Emitting Device Having Focus Coating Contacted Through Underlying Access Conductor" ☒ Patent: 5920151	Reel: 8872 Frame: 0835
☐ In re application: Application No.: Filed: 7/30/1997 For: "Magnetic Detection of Short Circuit Defects in Plate Structure" ☒ Patent: 6118279	Reel: 8688 Frame: 0589

ASSIGNMENT (DOCUMENT) COVER SHEET
(ADDED PAGE 15 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 9/30/1997 For: "Selective Removal of Material Using Self-Initiated Galvanic Activity in Electrolytic Bath" ☒ Patent: 6007695	Reel: 9119 Frame: 0929
☐ In re application: Application No.: Filed: 9/30/1997 For: "Cleaning of Electron-Emissive Elements" ☒ Patent: 6004180	Reel: 9119 Frame: 0959
☐ In re application: Application No.: Filed: 10/31/1997 For: "Undercutting Technique for Creating Coating in Spaced-Apart Segments" ☒ Patent: 6008062	Reel: 8801 Frame: 0236
☐ In re application: Application No.: Filed: 6/30/1997 For: "Electrochemistry for Removing Material, Particularly Excess Emitter Material in Electron-Emitting Device" ☒ Patent: 6120674	Reel: 8932 Frame: 0447
☐ In re application: Application No.: Filed: 10/31/1997 For: "Patterned Resistor Suitable for Electron-Emitting Device, and Associated Fabrication Method" ☒ Patent: 6144144	Reel: 9705 Frame: 0543

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 16 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application: Application No.: Filed: 10/31/1997 For: "Protection of Electron-Emissive Elements Prior to Removing Excess Emitter Material During Fabrication of Electron-Emitting Device" ☒ Patent: 6010383	Reel: 8801 Frame: 0228
☐ In re application: Application No.: Filed: 5/26/1998 For: "Cleaning of Flat-Panel Display " ☒ Patent: 6113708	Reel: 9599 Frame: 0069
☐ In re application: Application No.: Filed: 2/27/1998 For: "Non-Hazardous Wet Etching Method" ☒ Patent: 6103095	Reel: 9424 Frame: 0649
☐ In re application: Application No.: Filed: 2/27/1998 For: "Design and Fabrication of Flat-Panel Display Having Energy-Accommodating Spacer System" ☒ Patent: 5990614	Reel: 9364 Frame: 0032
☐ In re application: Application No.: Filed: 3/31/1998 For: "Flat-Panel Display Having Spacer With Laterally Segmented Face Electrode" ☒ Patent: 6107731	Reel: 9256 Frame: 0375

ASSIGNMENT (DOCUMENT) COVER SHEET

(ADDED PAGE 17 of 17)

NOTE: DO NOT enter application AND patent number

FURTHER APPLICATION(S) OR PATENTS BEING ASSIGNED	DETAILS OF PRIOR RECORDAL (IF ANY)
☐ In re application:	Reel: 9403
Application No.:	Frame: 0082
Filed: 4/30/1998	
For: "Structure and Fabrication of Electron-Emitting Device Having Electrode With Openings that Facilitate Short-Circuit Repair"	
☒ Patent: 6107728	