

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2596131

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SILVERBROOK RESEARCH PTY. LIMITED	05/03/2012
RECEIVING PARTY DATA	
Name:	ZAMTEC LIMITED
Street Address:	8 Fitzwilliam Square
City:	Dublin 2
State/Country:	IRELAND
PROPERTY NUMBERS Total: 59	
Property Type	Number
Patent Number:	7736458
Patent Number:	7743262
Patent Number:	7747541
Patent Number:	7747646
Patent Number:	7753504
Patent Number:	7757086
Patent Number:	7770008
Patent Number:	7771024
Patent Number:	7775642
Patent Number:	7776175
Patent Number:	7783886
Patent Number:	7800410
Patent Number:	7818519
Patent Number:	7831827
Patent Number:	7832840
Patent Number:	7845755

CH \$2360.00 7736458

Patent Number:	7845869
Patent Number:	7847972
Patent Number:	7849268
Patent Number:	7862162
Patent Number:	7862734
Patent Number:	7901038
Patent Number:	7901067
Patent Number:	7901068
Patent Number:	7905588
Patent Number:	7914131
Patent Number:	7917168
Patent Number:	7926899
Patent Number:	7926915
Patent Number:	7929179
Patent Number:	7936483
Patent Number:	7946671
Patent Number:	7950777
Patent Number:	7953982
Patent Number:	7954940
Patent Number:	7959066
Patent Number:	7962767
Patent Number:	7967412
Patent Number:	7973965
Patent Number:	7976141
Patent Number:	7976143
Patent Number:	7980666
Patent Number:	7980670
Patent Number:	7980674
Patent Number:	7984960
Patent Number:	7986039
Patent Number:	7986439
Patent Number:	7988262
Patent Number:	7991699
Patent Number:	7996880
Patent Number:	7997704

	8002384
Patent Number:	8002386
Patent Number:	8002394
Patent Number:	8005636
Patent Number:	8007063
Patent Number:	8007083
Patent Number:	8009333
Patent Number:	8014022

CORRESPONDENCE DATA

Fax Number: (202)842-7899
 Phone: 858-550-6000
 Email: zpatdcdocketing@cooley.com, rlopez@cooley.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
 Correspondent Name: COOLEY LLP
 Address Line 1: 1299 PENNSYLVANIA AVE., NW
 Address Line 2: ATTN: PATENT GROUP
 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	MEMJET 313617-2001
NAME OF SUBMITTER:	KEVIN J. ZIMMER
Signature:	/Kevin J. Zimmer/
Date:	10/29/2013

Total Attachments: 27

source=MEMJET_FIRSTASSIGN_p67_89#page1.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page2.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page3.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page4.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page5.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page6.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page7.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page8.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page9.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page10.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page11.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page12.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page13.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page14.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page15.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page16.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page17.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page18.tif
 source=MEMJET_FIRSTASSIGN_p67_89#page19.tif

source=MEMJET_FIRSTASSIGN_p67_89#page20.tif
source=MEMJET_FIRSTASSIGN_p67_89#page21.tif
source=MEMJET_FIRSTASSIGN_p67_89#page22.tif
source=MEMJET_FIRSTASSIGN_p67_89#page23.tif
source=MEMJET_FIRSTASSIGN_p67_89#page24.tif
source=MEMJET_FIRSTASSIGN_p67_89#page25.tif
source=MEMJET_FIRSTASSIGN_p67_89#page26.tif
source=MEMJET_FIRSTASSIGN_p67_89#page27.tif

FIRST CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

WHEREAS, Silverbrook Research Pty. Limited, having a principal place of business at 393 Darling Street, Balmain NSW 2041, Australia, the Memjet Companies, and others have entered into that certain agreement dated 3 May 2012 (the "Agreement") respecting the "Memjet IP Rights" as described in said Agreement;

WHEREAS, Zamtec Limited (the "Assignee"), having a principal place of business at 8 Fitzwilliam Square, Dublin 2, Ireland, is one of the Memjet Companies;

WHEREAS, pursuant to the Agreement, Silverbrook Research Pty. Limited and its Affiliates (as defined in the Agreement) (the "Assignors") assigned to the Assignee all right, title and interest in and to the Memjet IP Rights and in and to any and all granted patents and all pending patent applications in respect of the Memjet IP Rights;

WHEREAS, pursuant to the Agreement, the Assignors assigned to Assignee all right, title, and interest in those patent applications and patents set forth in Schedule 14.6 attached to that certain assignment dated 3 May 2102 among the Assignors and the Assignee (the "Assignment");

WHEREAS, pursuant to the Agreement, the Assignors assigned to Assignee all right, title, and interest in the Memjet IP Rights, which include those patent applications and patents set forth in Exhibit A attached hereto (the "Patents");

WHEREAS, this First Confirmatory Assignment of Patent Rights ("First Confirmatory Assignment") shall not be deemed to effect assignment of any rights in those patents and patent applications set forth in Schedule 14.6 with respect to which the Assignment has been effectively recorded or otherwise registered in the applicable jurisdiction (the "Recorded Patent Rights") and shall not be effective as an instrument of assignment separate from the Assignment with respect to such Recorded Patent Rights;

WHEREAS, pursuant to this First Confirmatory Assignment, the Assignors and the Assignee desire to confirm the assignment, to the Assignee, of those patents and patent applications not included within the Recorded Patent Rights.

NOW THEREFORE, for \$1.00 and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

Effective 3 May 2012 (Pacific Standard Time, USA), the Assignors do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, all right, title and interest in and to the Memjet IP Rights, the Patents, and all patents and patent applications related to the Memjet IP Rights and the Patents, including but not limited to any provisionals, nonprovisionals, continuations, continuations-in-part, divisionals, reissues, reexaminations, substitutes, renewals, or improvements thereof, and in and to any and all patents which may be issued for said Memjet IP Rights or Patents, including the right to sue and collect damages for past, present, and future infringement of those patents (the "Assigned IP").

The Assignors hereby request that any and all patents for said Memjet IP Rights be issued to Assignee, its successors, assigns and legal representatives, or to such nominees as they may designate to the full end of the term for which said patents may be granted.

The Assignors hereby agree that, when requested, the Assignors will in good faith, without charge to Assignee but at the Assignee's expense, sign all papers, take all rightful oaths, communicate to Assignee all known facts relating to any improvements and the history thereof, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for said inventions in any and all countries and for vesting title thereto in Assignee, its successors, assigns, legal representatives or nominees.

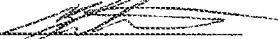
The Assignors hereby authorize and empower Assignee, its successors, assigns, legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for all inventions related to the Assigned IP filed by it or them, the benefit of the right of priority, including but not limited to such right provided by the provisions of any convention or treaty, and to invoke and claim such right of priority without further written or oral authorization from the Assignors.

The Assignors hereby consent that a copy of this First Confirmatory Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the Assignee or its nominees to claim the aforesaid benefit of the right of priority, including but not limited to that provided by any convention or treaty.

The Assignors hereby covenant with Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, that the Assignors have full right to convey the same as herein expressed free and clear of all liens, claims, and encumbrances, and that this First Confirmatory Assignment shall be binding on each of the Assignors' heirs, assigns, representatives and successors.


In the event Assignee is unable, after reasonable effort, to secure either of the Assignor's signature on any documents relating to protection or maintenance of the inventions, applications or patents to which this First Confirmatory Assignment relates, whether because of an Assignor's physical or mental incapacity or for any other reason, the Assignors hereby irrevocably designate and appoint Assignee and its duly authorized officers and agents as their agent and attorney-in-fact, to act for and on their behalf to execute and file any documents necessary to register the Assignee as proprietor of the Assigned IP and to file any application or applications and to do all other lawfully permitted acts to further the prosecution, issuance, and maintenance of the Assigned IP with the same legal force and effect as if personally executed by an Assignor.

This First Confirmatory Assignment shall be subject to, and interpreted by and in accordance with, the laws of England.

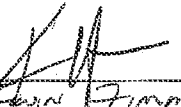
Witness Signature 
Witness Name NICHOLAS CHRISTENSEN
Date 1 FEBRUARY 2013

Silverbrook Research Pty. Limited

By 
Kia Silverbrook

Witness Signature 
Witness Name NICHOLAS CHRISTENSEN
Date 1 FEBRUARY 2013

By 
Janette Lee

Witness Signature 
Witness Name JOHN ZIMMER
Date JANUARY 10, 2013

Zamtec Limited

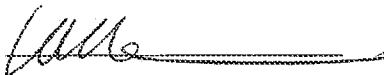
By 

EXHIBIT A

PATENTS AND PATENT APPLICATIONS

	Country	Official No.	Case Status	Title
1	USA	6067797	Granted	Thermal Actuator
2	USA	6071750	Granted	Method of Manufacture of a Paddle Type Ink Jet Printer Method of Manufacture of a Thermal Elastic Rotary Impeller
3	USA	6110754	Granted	Ink Jet Print Head A Method of Manufacture of a Radial Back-Curling
4	USA	6171875	Granted	Thermoelastic Ink Jet Printer A Method of Manufacture of a Thermally Actuated Ink Jet
5	USA	6180427	Granted	including a Tapered Heater Element Ink Jet Printer having a Thermal Actuator Comprising an
6	USA	6188415	Granted	External Coil Spring A Method of Manufacture of a Linear Spring Electromagnetic
7	USA	6190931	Granted	Grill Ink Jet Printer
8	USA	6209989	Granted	Dual Chamber Single Actuator Ink Jet Printing Mechanism
9	USA	6213588	Granted	Electrostatic Ink Jet Printing Mechanism Planar Thermoelastic Bend Actuator Ink Jet Printing
10	USA	6213589	Granted	Mechanism Method of Manufacture of a Reverse Spring Lever Ink Jet
11	USA	6214244	Granted	Printer Single Bend Actuator Cupped Paddle Ink Jet Printing
12	USA	6217153	Granted	Mechanism
13	USA	6217165	Granted	Ink and Media Cartridge with Axial Ink Chambers
14	USA	6220694	Granted	Pulsed Magnetic Field Ink Jet Printing Mechanism Method of Manufacture of a Radiant Plunger Electromagnetic
15	USA	6224780	Granted	Ink Jet Printer Method of Manufacture of a Pulsed Magnetic Field Ink Jet
16	USA	6225138	Granted	Printer
17	USA	6227652	Granted	Radiant Plunger Ink Jet Printer
18	USA	6227653	Granted	Bend Actuator Direct Ink Supply Ink Jet Printing Mechanism
19	USA	6227654	Granted	Ink Jet Printing Mechanism Method of Manufacture of a Thermally Actuated Ink Jet
20	USA	6228668	Granted	Printer having a Series of Thermal Actuator Units
21	USA	6231163	Granted	Stacked Electrostatic Ink Jet Printing Mechanism
22	USA	6231772	Granted	Method of Manufacture of an Iris Motion Ink Jet Printer A Method of Manufacture of a Tapered Magnetic Pole
23	USA	6231773	Granted	Electromagnetic Ink Jet Printer High Young's Modulus Thermoelastic Ink Jet Printing
24	USA	6234609	Granted	Mechanism
25	USA	6234610	Granted	Gear Driven Shutter Ink Jet Printing Mechanism
26	USA	6234611	Granted	Curling Calyx Thermoelastic Ink Jet Printing Mechanism
27	USA	6235211	Granted	Method of Manufacture of an Image Creation Apparatus
28	USA	6235212	Granted	Method of Manufacture of an Electrostatic Ink Jet Printer Thermally Actuated Slotted Chamber Wall Ink Jet Printing
29	USA	6238040	Granted	Mechanism

Exhibit A, Page 1

	Country	Official No.	Case Status	Title
2088	USA	7731334	Granted	Inkjet Nozzle Utilizing Electrostatic Attraction Between Parallel Plates
2089	USA	7731336	Granted	INKJET NOZZLE ARRANGEMENT
2090	USA	7733535	Granted	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A DITHER MATRIX
2091	USA	7735944	Granted	Printer Comprising Two Printhead Modules And At Least Two Printer Controllers
2092	USA	7735948	Granted	Printhead Having Grouped Nozzle Firing
2093	USA	7735955	Granted	METHOD OF ASSEMBLING PRINTHEAD CAPPING MECHANISM
2094	USA	7735963	Granted	Printhead Incorporating Rows Of Ink Ejection Nozzles
2095	USA	7735966	Granted	Liquid-Ejection Integrated Circuit Device Having Nozzle Shield
2096	USA	7735968	Granted	Inkjet Printhead Nozzle Arrangement With Actuator Arm Slot Protection Barrier
2097	USA	7735969	Granted	Inkjet Printer Utilizing Low Energy Titanium Nitride Heater Elements
2098	USA	7735970	Granted	THERMAL BEND ACTUATOR COMPRISING PASSIVE ELEMENT HAVING NEGATIVE THERMAL EXPANSION
2099	USA	7735971	Granted	Printhead with elongate nozzles
2100	USA	7735972	Granted	METHOD OF DROP EJECTION USING WIDE HEATER ELEMENTS IN PRINTHEAD
2101	USA	7735982	Granted	Digital Photofinishing System Cartridge
2102	USA	7735986	Granted	Ink Storage Module
2103	USA	7735994	Granted	Wall Mountable Printer With Removable Cartridge
2104	USA	7736458	Granted	Method of Attaching Fluidic MST Devices to a Support Member
2105	USA	7740334	Granted	Printer System Having Controller With Correction For Nozzle Displacement
2106	USA	7740337	Granted	PAGEWIDTH INKJET PRINTHEAD INCORPORATING POWER PROTUBERANCES
2107	USA	7740338	Granted	AND DATA TRANSMISSION FILM POSITIONING
2108	USA	7740340	Granted	Protuberances
2109	USA	7740342	Granted	Printhead Assembly Having A Pressurised Air Supply
2110	USA	7740343	Granted	Inkjet Printer With Releasable Print Cartridge
2111	USA	7741720	Granted	Unit Cell For A Thermal Inkjet Printhead
2112	USA	7743262	Granted	INKJET PRINTHEAD INTEGRATED CIRCUIT WITH SUSPENDED HEATER ELEMENT SPACED FROM CHAMBER WALLS
2113	USA	7744181	Granted	ELECTRONIC DEVICE WITH WIRE BONDS ADHERED BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
2114	USA	7744183	Granted	Intergrated Circuit Incorporating Protection From Power Supply Attacks
2115	USA	7744190	Granted	Printer Controller For Monitoring An Ink Drop Count
2116	USA	7744191	Granted	Method Of Generating Halftone Print Data For Overlapping Consecutive Printhead Segments
2117	USA	7744195	Granted	Duplex Printer Assembly With Capping Printheads For A Pagewidth Printer
				FLEXIBLE PRINTHEAD MODULE INCORPORATING STAGGERED ROWS OF INK EJECTION NOZZLES
				LOW LOSS ELECTRODE CONNECTION FOR INKJET PRINTHEAD

Exhibit A, Page 67

	Country	Official No.	Case Status	Title
2118	USA	7744196	Granted	NOZZLE ARRANGEMENT HAVING ANNULUS SHAPED HEATER ELEMENTS
2119	USA	7744201	Granted	Printhead Assembly With An Ink Cassette Having An Air Filter
2120	USA	7744208	Granted	PRINTER WITH INK TRANSFER ROLLER AND CLEANING STATION
2121	USA	7747541	Granted	Validating Apparatus For Use With A Pair Of Integrated Circuits
2122	USA	7747646	Granted	System Having Secure Access Between IC Entities
2123	USA	7747887	Granted	Print Engine Having Authentication Device For Preventing Multi-Word Memory Writing Upon Power Drop
2124	USA	7748818	Granted	Inkjet Printhead With Electrical Disconnection Of Printhead Prior To Removal
2125	USA	7748827	Granted	Inkjet Printhead Incorporating Interleaved Actuator Tails
2126	USA	7748828	Granted	Printer Print Engine With Cradled Cartridge Unit
2127	USA	7748833	Granted	Ink Distribution Structure With A Laminated Ink Supply Stack For An Inkjet Printer
2128	USA	7748836	Granted	Printer Cradle For An Ink Cartridge
2129	USA	7753463	Granted	Processing Of Images For High Volume Pagewidth Printing
2130	USA	7753469	Granted	Inkjet Nozzle Chamber With Single Inlet and Plurality Of Nozzles
2131	USA	7753470	Granted	PRINthead ASSEMBLY WITH INK SUPPLY SYSTEM AND FOAMING SYSTEM
2132	USA	7753472	Granted	PRINthead MAINTENANCE STATION HAVING ROTATIONAL PAD ENGAGEMENT
2133	USA	7753475	Granted	Printer Having Pivotaly Capped Duplexed Printheads
2134	USA	7753477	Granted	ROTATING PRINthead MAINTENANCE FACILITY WITH TUBULAR CHASSIS
2135	USA	7753478	Granted	PRINthead NOZZLE FACE WIPER WITH FIBROUS PAD
2136	USA	7753479	Granted	Method Of Maintaining An Inkjet Printhead By Producing Laminar Ink Flow To Remove Particulates
2137	USA	7753483	Granted	Printhead Assembly Having A Fluid Transfer Member
2138	USA	7753484	Granted	PRINthead PROVIDED WITH INDIVIDUAL NOZZLE ENCLOSURES
2139	USA	7753485	Granted	An Ink Ejection Nozzle With Oscillator And Shutter Arrangement
2140	USA	7753486	Granted	Inkjet Printhead Having Nozzle Arrangements With Hydrophobically Treated Actuators And Nozzles
2141	USA	7753487	Granted	APERTURE OF A NOZZLE ASSEMBLY OF AN INKJET PRINTER
2142	USA	7753490	Granted	PRINthead WITH EJECTION ORIFICE IN FLEXIBLE ELEMENT
2143	USA	7753491	Granted	Printhead Nozzle Arrangement Incorporating A Corrugated Electrode
2144	USA	7753492	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION MECHANISM HAVING A SHAPE MEMORY ALLOY ACTUATOR
2145	USA	7753493	Granted	Movable Ink Ejection Structure And Inverse Profile Actuator Arms For Nozzle Arrangement
2146	USA	7753494	Granted	Printhead Having Low Mass Bubble Forming Heaters
2147	USA	7753496	Granted	INKJET PRINthead WITH MULTIPLE CHAMBERS AND

Exhibit A, Page 68

	Country	Official No.	Case Status	Title
				MULTIPLE NOZZLES FOR EACH DRIVE CIRCUIT
2148	USA	7753503	Granted	Print Engine Incorporating A Print Media Cutter Assembly
2149	USA	7753504	Granted	Printhead And Ink Supply Arrangement Suitable For Utilization In A Print On Demand Camera System
2150	USA	7753507	Granted	Pagewidth Printhead Assembly Cartridge With Micro-Capillary Feed
2151	USA	7753508	Granted	Ink Supply Cartridge For A Printhead Assembly
2152	USA	7753517	Granted	Printhead with an optical sensor for receiving print data
2153	USA	7757084	Granted	Method of Validating Consumable Authentication Chip
2154	USA	7757086	Granted	Key Transportation
2155	USA	7758038	Granted	PRINTER HAVING COMPACT MEDIA PICK-UP DEVICE
2156	USA	7758142	Granted	High Volume Pagewidth Printing
2157	USA	7758143	Granted	Printhead Module Having Nozzle Redundancy
				Printhead Module Having Operation Controllable On Basis Of
2158	USA	7758147	Granted	Thermal Sensors
				Capping System Incorporating A Flexible Capping Member For
2159	USA	7758148	Granted	Inkjet Print Head Assembly
				PRINthead MAINTENANCE FACILITY WITH
2160	USA	7758149	Granted	INTERCHANGEABLE STATIONS
				PRINthead NOZZLE WIPER AND DOCTOR BLADE FOR INK
2161	USA	7758152	Granted	REMOVAL
2162	USA	7758160	Granted	COMPACT NOZZLE ASSEMBLY FOR AN INKJET PRINTER
				Micro-Electromechanical Nozzle Arrangement Having
2163	USA	7758161	Granted	Cantilevered Actuators
				Nozzle Arrangement For An Inkjet Printer With Ink Wicking
2164	USA	7758162	Granted	Reduction
				Ink Ejection Printhead Incorporating A Connector
2165	USA	7758164	Granted	Arrangement
				Inkjet Nozzle With Paddle Layer Sandwiched Between First
2166	USA	7758166	Granted	And Second Wafers
2167	USA	7758167	Granted	Media Supply Cartridge For Roll-Fed Printer
				PRINTER SYSTEM HAVING PRINthead WITH ARCUATE
2168	USA	7758170	Granted	HEATER ELEMENTS
				INK SUPPLY SYSTEM COMPRISING AIR COMPRESSOR AND IN-
2169	USA	7758174	Granted	LINE VALVE
2170	USA	7758177	Granted	HIGH FLOWRATE FILTER FOR INKJET PRINthead
				Print Engine Assembly With Twin Bearing Moldings Received
2171	USA	7758181	Granted	Within A Chassis
2172	USA	7762639	Granted	Inkjet Printer Having Printhead With Multiple Controllers
				Print Engine With Ink Storage Modules Incorporating
2173	USA	7762652	Granted	Collapsible Bags
				PRINthead MAINTENANCE FACILITY WITH BALANCED LIFT
2174	USA	7766451	Granted	MECHANISM
2175	USA	7766453	Granted	Printhead with Overlapping Arrays of Nozzles
				Multi-Coloured Printhead Nozzle Array With Rows Of Nozzle
2176	USA	7766459	Granted	Assemblies
2177	USA	7766467	Granted	A PRINT ENGINE WITH PARTITIONED BODY AND

Exhibit A, Page 69

	Country	Official No.	Case Status	Title
				INTERLEAVED INK STORAGE MODULES
2178	USA	7766468	Granted	PRINT CARTRIDGE OF PHOTOFINISHING SYSTEM HAVING SLITTER
2179	USA	7770008	Granted	EMBEDDING DATA AND INFORMATION RELATED TO FUNCTION WITH WHICH DATA IS ASSOCIATED INTO A PAYLOAD
2180	USA	7770883	Granted	Printer Incorporating Rotatable Pick-up Assembly of Air Nozzles
2181	USA	7771002	Granted	PRINthead MAINTENANCE FACILITY WITH INNER AND OUTER CHASSIS
2182	USA	7771003	Granted	PRINTER HAVING ARCUATELY MOVEABLE PRINthead AND CAPPING/PURGING MECHANISM
2183	USA	7771004	Granted	PRINthead ASSEMBLIES WITH INDIVIDUAL CAPPING ASSEMBLIES
2184	USA	7771007	Granted	PRINthead MAINTENANCE FACILITY WITH MULTIPLE INDEPENDENT DRIVES
2185	USA	7771008	Granted	Printhead Maintenance Assembly For An Inkjet Printer
2186	USA	7771013	Granted	Thermally Stable Pagewidth Printhead Assembly Incorporating A Laminated Structure
2187	USA	7771014	Granted	PRINthead ASSEMBLY HAVING AN INK SUPPLY ARRANGEMENT AND A PLURALITY OF PRINthead SEGMENT CARRIERS
2188	USA	7771015	Granted	Printhead Nozzle Arrangement Having A Looped Heater Element
2189	USA	7771017	Granted	Nozzle Arrangement For An Inkjet Printhead Incorporating A Protective Structure
2190	USA	7771018	Granted	Ink Ejection Nozzle Arrangement for an Inkjet Printer
2191	USA	7771019	Granted	Stackable Printer Module For Effecting Double-Sided Printing
2192	USA	7771023	Granted	Method Of Ejecting Drops Of Fluid From An Inkjet Printhead
2193	USA	7771024	Granted	Printhead Assembly With A Thermosetting Adhesive Film For Attaching Printhead Integrated Circuitry
2194	USA	7771025	Granted	Inkjet Printhead Having Plural Nozzle Arrangements Grouped In Pods
2195	USA	7771027	Granted	Self-Cooling High Nozzle Density Ink Jet Nozzle Arrangement
2196	USA	7771028	Granted	INK SUPPLY SYSTEM COMPRISING PRESSURE DEVICE AND IN-LINE VALVE
2197	USA	7771029	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
2198	USA	7771031	Granted	Ink Refill Unit With A Mechanical Tank Compression Arrangement
2199	USA	7771032	Granted	Printer Assembly With A Controller For Maintaining A Printhead At An Equilibrium Temperature
2200	USA	7771034	Granted	Fluidic Arrangement With A Sump For A Printer
2201	USA	7771035	Granted	Reservoir Assembly For A Pagewidth Printhead Cartridge
2202	USA	7775616	Granted	Printhead Having Controllers For Multi-Channel Printhead Modules
2203	USA	7775625	Granted	Printer Having Capper For Duplexed Printheads
2204	USA	7775627	Granted	INKJET PRINTER ASSEMBLY
2205	USA	7775630	Granted	PRINthead INTEGRATED CIRCUIT WITH HIGH DROPLET

Exhibit A, Page 70

	Country	Official No.	Case Status	Title
				EJECTOR DENSITY
2206	USA	7775631	Granted	Modular Pagewidth Printhead Assembly Having A Fluid Distribution Assembly With Elastomeric Pads For Taking Up Tolerance
2207	USA	7775632	Granted	Nozzle Arrangement With Expandable Actuator
2208	USA	7775633	Granted	Pagewidth Printhead Assembly Having A Plurality Of Printhead Modules Each With A Stack Of Ink Distribution Layers
2209	USA	7775634	Granted	Inkjet Chamber With Aligned Nozzle And Inlet
2210	USA	7775635	Granted	METHOD OF PRODUCING THERMOELASTIC INKJET ACTUATOR
2211	USA	7775636	Granted	NOZZLE ARRANGEMENT HAVING PARTIALLY EMBEDDED HEATER ELEMENTS
2212	USA	7775637	Granted	Nozzle Arrangement With Ejection Apertures Having Externally Projecting Peripheral Rim
2213	USA	7775639	Granted	Inkjet Nozzle Assembly With Movable Crown And Skirt Portions
2214	USA	7775640	Granted	Printhead Ink Delivery System With Clamping Endcap
2215	USA	7775642	Granted	Docking Port In A Cover Assembly
2216	USA	7775643	Granted	PRINTING CARTRIDGE HAVING SELF-REFERENCING PRINTHEAD UNDER THERMALLY EXPANSIVE CONDITIONS
2217	USA	7775644	Granted	Printhead Assembly With An Ink Supply Carrier Supporting An Ink Distributing Molding
2218	USA	7775649	Granted	Printer Ink Supply Cartridge Incorporating Internal Support Ribs And Tapered Ink Reservoirs
2219	USA	7775655	Granted	Printing System With A Data Capture Device
2220	USA	7776175	Granted	Method of Sealing a Face of a MST Device
2221	USA	7780161	Granted	METHOD OF PICKING MEDIA IN PRINTER
2222	USA	7780256	Granted	PRINTHEAD IC WITH SPACED NOZZLE FIRING SEQUENCE
2223	USA	7780261	Granted	Duplexed Inkjet Printhead Assembly With Dual Capping Mechanism
2224	USA	7780262	Granted	PRINTING CARTRIDGE HAVING SELF-REFERENCING PRINTHEAD WITH LARGE NOZZLE NUMBER
2225	USA	7780264	Granted	INKJET PRINTER NOZZLE FORMED ON A DRIVE TRANSISTOR AND CONTROL LOGIC
2226	USA	7780269	Granted	Ink Jet Nozzle Assembly Having Layered Ejection Actuator
2227	USA	7780271	Granted	PRINTHEAD WITH HEATERS OFFSET FROM NOZZLES
2228	USA	7780278	Granted	INK COUPLING FOR INKJET PRINTER WITH CARTRIDGE CARTRIDGE UNIT HAVING CAPPED PRINTHEAD WITH MULTIPLE INK STORAGE CAPACITY
2229	USA	7780282	Granted	Ducting between ink outlets of sectioned ink reservoir
2230	USA	7780288	Granted	DUAL PRINTHEAD CONTROLLER ARCHITECTURE FOR INK QUALITY ASSURANCE CIRCUITRY
2231	USA	7782481	Granted	MULTI-LEVEL BOOT HIERARCHY FOR SOFTWARE DEVELOPMENT ON AN INTEGRATED CIRCUIT
2232	USA	7783886	Granted	PRINTHEAD INTEGRATED CIRCUIT WITH MORE THAN 10000 NOZZLES
2233	USA	7784902	Granted	
2234	USA	7784903	Granted	Printhead Assembly With Sheltered Ink Distribution

Exhibit A, Page 71

	Country	Official No.	Case Status	Title
				Arrangement
2235	USA	7784905	Granted	NOZZLE ASSEMBLY FOR AN INKJET PRINTER FOR EJECTING A LOW SPEED DROPLET
2236	USA	7784907	Granted	Printhead Assembly With Replaceable Printhead Modules
2237	USA	7784910	Granted	Nozzle Arrangement Incorporating A Thermal Actuator Mechanism With Ink Ejection Paddle
2238	USA	7784912	Granted	PRINTHEAD ARRANGEMENT HAVING NOZZLE ASSEMBLIES WITH GUTTER FORMATIONS
2239	USA	7784924	Granted	Printhead Ink Delivery System With Two Pairs Of Locating Formations
2240	USA	7784925	Granted	Ink Cartridge With Pressure Regulation
2241	USA	7784931	Granted	Printing Cartridge that Incorporates Casing for both Print Media and Ink
2242	USA	7784932	Granted	Inkjet Printer With Reversible Transport Mechanism
2243	USA	7786723	Granted	TEST STAGE FOR A CARRIER HAVING PRINTHEAD INTEGRATED CIRCUITRY THEREON
2244	USA	7787148	Granted	DUAL PRINTHEAD CONTROLLER ARCHITECTURE HAVING HIDDEN SLAVE
2245	USA	7787163	Granted	Method Of Sharpening An Rgb Image For Sending To A Printhead
2246	USA	7789477	Granted	METHOD FOR TESTING INTEGRITY OF A BASE FOR PRINTHEAD INTEGRATED CIRCUITRY
2247	USA	7789485	Granted	PRINTHEAD ASSEMBLY HAVING LAMINATED INK AND AIR DISTRIBUTION STRUCTURE
2248	USA	7789486	Granted	Page-Width Printhead Assembly With Stationary Ink Ejection Integrated Circuits
2249	USA	7789501	Granted	Printing Cartridge For A Printer
2250	USA	7794038	Granted	INK PRESSURE REGULATOR WITH REGULATOR CHANNEL FLUIDICALLY ISOLATED FROM INK RESERVOIR
2251	USA	7794048	Granted	PRINTHEAD HAVING DISPLACED NOZZLE ROWS
2252	USA	7794050	Granted	Printhead Nozzle Having Shaped Heating Element
2253	USA	7794051	Granted	Printhead Assembly With Printhead Module Having Tiled Integrated Circuits
2254	USA	7794052	Granted	PRINTHEAD MODULE OF A PRINTHEAD ASSEMBLY
2255	USA	7794053	Granted	Inkjet Printhead With High Nozzle Area Density
2256	USA	7794055	Granted	Thermal Bend Actuator Comprising Aluminium Alloy
2257	USA	7794056	Granted	Inkjet Nozzle Assembly Having Thermal Bend Actuator With An Active Beam Defining Substantial Part of Nozzle Chamber Roof
2258	USA	7794059	Granted	Inkjet Printhead Nozzle With A Patterned Surface
2259	USA	7794060	Granted	Inkjet Printhead Integrated Circuit With Rectifying Valves
2260	USA	7794061	Granted	INKJET PRINTHEAD WITH NON-UNIFORM NOZZLE CHAMBER INLETS
2261	USA	7794065	Granted	INKJET PRINTHEAD ASSEMBLY WITH CAPPED OBLIQUELY ORIENTED PRINTHEADS
2262	USA	7794066	Granted	Printhead Structure Having Fluid Passages Defined in Silicon

Exhibit A, Page 72

	Country	Official No.	Case Status	Title
2263	USA	7794068	Granted	Method of Regulating Ink Pressure
2264	USA	7794070	Granted	Inkjet Printer With Refill Interface And Variably Positioned Inlets
2265	USA	7794071	Granted	Ink supply for a printhead cartridge with a connector assembly.
2266	USA	7794613	Granted	METHOD OF FABRICATING PRINTHEAD HAVING HYDROPHOBIC INK EJECTION FACE
2267	USA	7796300	Granted	High-Speed Printing Method Having Parallel Processes
2268	USA	7798191	Granted	PRINTING ARRANGEMENT HAVING A PAGE BINDING SUPPORT TRAY
2269	USA	7798600	Granted	METHOD OF PURGING A PRINTHEAD USING COORDINATED PRESSURE DEVICE AND IN-LINE VALVE
2270	USA	7798603	Granted	PRINTHEAD WITH HIGH NOZZLE PITCH TRANVERSE TO PRINT DIRECTION
2271	USA	7798605	Granted	Printer Assembly With A Dimensionally Stable Support Frame
2272	USA	7798607	Granted	Inkjet Printhead Having Multiple Printer Controllers
2273	USA	7798608	Granted	Printhead Assembly Incorporating A Pair Of Aligned Groups Of Ink Holes
2274	USA	7798609	Granted	Printer Formed From Complementarily Fitting Parts
2275	USA	7798613	Granted	Pagewidth Printhead Assembly
2276	USA	7798622	Granted	Cartridge For An Inkjet Printer With Refill Docking Interface
2277	USA	7800410	Granted	Integrated Circuit Having Temperature Based Clock Filter
2278	USA	7802715	Granted	METHOD OF WIRE BONDING AN INTEGRATED CIRCUIT DIE AND A PRINTED CIRCUIT BOARD
2279	USA	7802862	Granted	Printhead Having Sequenced Nozzle Firing On Integrated Circuit
2280	USA	7802871	Granted	Ink Jet Printhead With Amorphous Ceramic Chamber
2281	USA	7802873	Granted	Nozzle Arrangement With A Movement Sensor For An Inkjet Printer
2282	USA	7802879	Granted	Ink Refill Unit For A Print Engine Having A Compression Arrangement With Actuation Means Operable By A Controller Of The Print Engine
2283	USA	7803659	Granted	Print Engine Having Authentication Device For Disabling
2284	USA	7805626	Granted	Memory Writing Upon Power Drop
2285	USA	7806498	Granted	PRINTHEAD ARRANGEMENT HAVING OVERLAPPING PRINT REGIONS
2286	USA	7806500	Granted	PRINTER WITH PROCESSOR HAVING BUSED DECODING AND EXPANSION UNITS
2287	USA	7806502	Granted	Printer Arrangement With Printhead And Ink Transport Assembly
2288	USA	7806519	Granted	Printer Cartridge Refill Unit With Verification Integrated Circuit
2289	USA	7806522	Granted	Printer Assembly Having A Refillable Cartridge Assembly
2290	USA	7806611	Granted	Modular Printer Having A Print Engine With Two Opposed Arcuate Printheads Feeding Media At A Predetermined Rate
2291	USA	7808669	Granted	Duplex Printer With A Pair Of Ink Transfer Rollers
2292	USA	7808670	Granted	Print Media Tray Assembly With Ink Transfer Arrangement

Exhibit A, Page 73

	Country	Official No.	Case Status	Title
2293	USA	7808677	Granted	Printer Controller Configured To Perform A Method Of Page Expansion And Printing
2294	USA	7810902	Granted	INKJET PRINTER HAVING PRINTED MEDIA TRANSPORT OF DRYING LENGTH
2295	USA	7810906	Granted	Printhead Assembly Incorporating Heat Aligning Printhead Modules
2296	USA	7815270	Granted	Printer Cradle For Various Print Speed Printheads
2297	USA	7815282	Granted	PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE WIPER HAVING SINGLE SKEW BLADE
2298	USA	7815290	Granted	Inkjet Printhead With Paddle For Ejecting Ink From One Of Two Nozzles
2299	USA	7815291	Granted	Printhead Integrated Circuit With Low Drive Transistor To Nozzle Area Ratio
2300	USA	7815300	Granted	CARTRIDGE UNIT HAVING MULTIPLE INK STORAGE CAPACITY
2301	USA	7817306	Granted	Method Of Page Expansion And Printing With A Pagewidth Printer Having Low-Speed And High-Speed Firing Modes
2302	USA	7818519	Granted	TIMESLOT ARBITRATION SCHEME
2303	USA	7819490	Granted	Printer Unit With Print Engine That Expands Compressed Image Data
2304	USA	7819494	Granted	PRINthead IC WITH MULTI-STAGE PRINT DATA LOADING AND FIRING
2305	USA	7819500	Granted	PRINthead MAINTENANCE FACILITY WITH BI-DIRECTIONAL WIPER MEMBER
2306	USA	7819503	Granted	Printhead Integrated Circuit Comprising Inkjet Nozzle Assemblies Having Connector Posts
2307	USA	7819505	Granted	PRINT SYSTEM FOR A PAGEWIDTH PRINTER FOR EXPANDING AND PRINTING COMPRESSED IMAGES
2308	USA	7819507	Granted	PRINthead WITH MENISCUS ANCHOR FOR CONTROLLED PRIMING
2309	USA	7819515	Granted	PRINTER COMPRISING PRIMING SYSTEM WITH FEEDBACK CONTROL OF PRIMING PUMP
2310	USA	7819521	Granted	Modular Printer System and Print Media Dispenser
2311	USA	7824002	Granted	Printer Cradle with Air Compressor
2312	USA	7824010	Granted	PAGEWIDTH PRINthead WITH MORE THAN 100000 NOZZLES
2313	USA	7824011	Granted	CRADLE UNIT HAVING PIVOTED CONNECTIONS FOR PRINthead CARTRIDGE
2314	USA	7824013	Granted	INTEGRATED CIRCUIT SUPPORT FOR LOW PROFILE WIRE BOND
2315	USA	7824016	Granted	Pagewidth Printhead Arrangement With A Controller For Facilitating Weighted Ink Drop Ejection
2316	USA	7824021	Granted	Printhead Assembly with Printheads within a Laminated Stack which, in Turn, is within an Ink Distribution Structure
2317	USA	7824026	Granted	PRINTER INCORPORATING A CAPPED PRINthead CARTRIDGE
2318	USA	7824031	Granted	Print cartridge with friction driven media feed shaft
2319	USA	7824117	Granted	Media Web Printer With A Pre-Heating Platen And Cutter Module
2320	USA	7831827	Granted	AUTHENTICATED COMMUNICATION BETWEEN MULTIPLE ENTITIES

Exhibit A, Page 74

	Country	Official No.	Case Status	Title
2321	USA	7832828	Granted	Maintenance Station For Printhead With Laminar Ink Flow Cleaning Methodology
2322	USA	7832833	Granted	Printer Having Relative Arcuately Moveable Simplex Printhead And Capping Mechanism
2323	USA	7832834	Granted	PRINthead NOZZLE FACE WIPER WITH ARRAY OF PADS PRINT ASSEMBLY AND PRINTER HAVING WIDE PRINTING ZONE
2324	USA	7832837	Granted	PRINthead WITH EXTERIOR SURFACE PROFILED FOR WIPING MAINTENANCE STATION
2325	USA	7832838	Granted	Printed Circuit Board Assembly With Modular Printed Circuit Boards
2326	USA	7832840	Granted	Printer Controller For Supplying Data To A Printhead Module Having Interleaved Shift Registers
2327	USA	7832842	Granted	PRINthead HAVING EFFICIENT HEATER ELEMENTS FOR SMALL DROP EJECTION
2328	USA	7832844	Granted	INKJET PRINTER WITH A CONTROLLER CRADLE AND PRINTING CARTRIDGE
2329	USA	7832850	Granted	WEB PRINTER
2330	USA	7832953	Granted	Printer Controller For A Printer Printing According To Print Quality Information Supplied By A Print Cartridge
2331	USA	7835029	Granted	Printhead Having Multiple Controllers For Printhead Modules
2332	USA	7837284	Granted	Method Of Printing With Overlapped Segements Of Printhead Maintenance Assembly For A Pagewidth Printer Having A Motorized Drive
2333	USA	7837289	Granted	PRINthead WITH NON-PRIMING CAVITIES FOR PULSE DAMPING
2334	USA	7837296	Granted	Method Of Forming An Ink Supply Channel
2335	USA	7837297	Granted	Method Of Fabricating Inkjet Printhead With Projections Patterned Across Nozzle Plate
2336	USA	7837887	Granted	INK PRESSURE REGULATOR WITH IMPROVED LIQUID RETENTION IN REGULATOR CHANNEL
2337	USA	7841086	Granted	Air Supply Arrangement For A Print Engine
2338	USA	7841684	Granted	PRINthead IC WITH MORE THAN 10000 NOZZLES IN THE EXPOSURE AREA OF A PHOTO-IMAGING DEVICE
2339	USA	7841689	Granted	Printhead Assembly Having A Plurality Of Connected Printhead Modules
2340	USA	7841695	Granted	PRINthead WITH REDUNDANT NOZZLE CHAMBER INLETS FOR MINIMIZING EFFECTS OF BLOCKAGES
2341	USA	7841696	Granted	MODULAR INK JET PRINthead ASSEMBLY WITH OBLIQUELY OVERLAPPING PRINtheadS
2342	USA	7841697	Granted	Printhead having Rows of Symmetrically Arranged Nozzles
2343	USA	7841699	Granted	Inkjet Printhead With Small Nozzle Spacing
2344	USA	7841703	Granted	CARTRIDGE UNIT HAVING MAGNETICALLY CAPPED PRINthead
2345	USA	7841704	Granted	Fluidically Controlled Inkjet Printhead
2346	USA	7841707	Granted	Printhead Assembly With A Pressurized Air Supply For An Inkjet Printer
2347	USA	7841708	Granted	Printer With Print Engine Mounted Within Paper Tray
2348	USA	7841710	Granted	
2349	USA	7841789	Granted	

Exhibit A, Page 75

	Country	Official No.	Case Status	Title
2350	USA	7845747	Granted	PRINTHEAD WITH SUB-EJECTION PULSE FOR NON-FIRING NOZZLES
2351	USA	7845755	Granted	PRINTHEAD INTEGRATED CIRCUIT ATTACHMENT FILM HAVING DIFFERENTIATED ADHESIVE LAYERS
2352	USA	7845762	Granted	A MODULAR PRINTHEAD WITH PRINTHEAD MODULES INCLUDING NESTED PARTS
2353	USA	7845763	Granted	PRINTHEAD ASSEMBLY WITH MINIMAL LEAKAGE
2354	USA	7845764	Granted	Inkjet Printhead Having Nozzle Arrangements With Actuator Pivot Anchors
2355	USA	7845765	Granted	INKJET PRINTERS WITH ELONGATE CHAMBERS, NOZZLES AND HEATERS
2356	USA	7845774	Granted	PRINTHEAD ASSEMBLY WITH A GAS DUCT
2357	USA	7845778	Granted	PRINTER WITH ZERO INSERTION FORCE PRINTHEAD CARTRIDGE
2358	USA	7845781	Granted	PRINTER WITH CARTRIDGE DOCK FOR RUPTURING SEAL ON CARTRIDGE
2359	USA	7845782	Granted	PIVOTABLE PCB RETENSION ARRANGEMENT FOR INKJET CARTRIDGE CRADLE
2360	USA	7845789	Granted	PRINT ENGINE WITH A TRANSFER ROLLER FOR A RECESS-MOUNTABLE PAGEWIDTH PRINTER
2361	USA	7845791	Granted	DOUBLE SIDED PRINTER MODULE WITH A PAIR OF ENDLESS DRYING BELTS
2362	USA	7845869	Granted	Computer Keyboard With Internal Printer
2363	USA	7847972	Granted	Paper Transport Mechanism With A Capping Mechanism
2364	USA	7849268	Granted	Method Of Updating IC Instruction And Data Cache
2365	USA	7850269	Granted	Configurable Printer Cartridge
2366	USA	7850278	Granted	U-SHAPED PRINTHEAD CAPPING DEVICE
2367	USA	7850281	Granted	EFFICIENT INKJET NOZZLE ASSEMBLY
2368	USA	7850282	Granted	Nozzle Arrangement For An Inkjet Printhead Having Dynamic And Static Structures To Facilitate Ink Ejection
2369	USA	7850291	Granted	Printhead Assembly Having An Elongate Ink Delivery Extrusion With A Fitted End Cap
2370	USA	7854491	Granted	PRINTER HAVING DRIVEN PRINTHEAD SEALING ARRANGEMENT
2371	USA	7854492	Granted	PAGEWIDTH PRINTHEAD ASSEMBLY WITH SUPPORT MEMBER LAMINATE STRUCTURE
2372	USA	7854496	Granted	INKJET PRINTER WITH SMALL DROP SIZE
2373	USA	7854504	Granted	Digital Device Incorporating Inkjet Printhead And Platen
2374	USA	7857410	Granted	Printer Controller For Controlling An Ink Dot Size
2375	USA	7857416	Granted	Nozzle Arrangement For An Inkjet Printer
2376	USA	7857417	Granted	Printhead Assembly With A Wicking Element
2377	USA	7857425	Granted	Modular Printhead With Ink Chamber And Reservoir Molding Assemblies
2378	USA	7857426	Granted	Micro-Electromechanical Nozzle Arrangement With A Roof Structure For Minimizing Wicking
2379	USA	7857427	Granted	INKJET PRINTHEAD HAVING MEMS SENSORS FOR DIRECTIONALLY HEATED INK EJECTION

	Country	Official No.	Case Status	Title
2380	USA	7857428	Granted	PRINTHEAD WITH SIDE ENTRY INK CHAMBER METHOD OF PURGING PRINTHEAD USING HAMMER MECHANISM
2381	USA	7857435	Granted	INK REFILL UNIT WITH INCREMENTAL INK EJECTION MECHANISM
2382	USA	7857436	Granted	PRINTHEAD CARTRIDGE PRIMING PROTOCOL
2383	USA	7857438	Granted	
2384	USA	7857441	Granted	Ink Pressure Regulator
2385	USA	7857536	Granted	LOCKABLE PRINTER Inkjet Printer System With Interchangeable Printhead Cartridges And Cradles
2386	USA	7862136	Granted	Printhead Assembly With A Print Media Guide And A Wicking Element
2387	USA	7862144	Granted	Pagewidth Printhead Assembly Having A Capping Member Actuating Mechanism
2388	USA	7862146	Granted	METHOD OF PRIMING PICOLITRE INKJET PRINTHEAD
2389	USA	7862148	Granted	PRINTHEAD WITH DROPLET REDIRECTING NOZZLE GUARD
2390	USA	7862151	Granted	Printer Having A Printhead Assembly With Module Alignment Fiducials
2391	USA	7862152	Granted	LOW INSERTION FORCE FLUID COUPLING
2392	USA	7862162	Granted	METHOD OF FABRICATING NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
2393	USA	7862734	Granted	Inkjet Printer With Dual Page Memory And Page Expander Printhead Module Having Nozzle Redundancy For Faulty Nozzle Tolerance
2394	USA	7864361	Granted	DIAGNOSTIC PROBE ASSEMBLY FOR PRINTHEAD INTEGRATED CIRCUITRY
2395	USA	7866778	Granted	Printhead having Mirrored Rows of Print Nozzles
2396	USA	7866784	Granted	Printhead Assembly For Re-Directing Ink Droplets
2397	USA	7866791	Granted	Method of Forming Connection Between Electrode and Actuator in an Inkjet Nozzle Assembly
2398	USA	7866793	Granted	Inkjet Printhead Integrated Circuit
2399	USA	7866795	Granted	Printer With Reversible Air Flow Sheet Picker
2400	USA	7866797	Granted	Printhead Integrated Circuit With Open Actuator Test
2401	USA	7874556	Granted	Printhead IC With Non-Ejection Maintenance
2402	USA	7874631	Granted	PAGEWIDTH PRINTHEAD ASSEMBLY HAVING AIR CHANNELS FOR PURGING UNNECESSARY INK
2403	USA	7874633	Granted	Printhead Assembly With Channelled Printhead Modules Inkjet Printhead Employing Nozzle Paddle Ink Ejecting Actuator
2404	USA	7874637	Granted	Modular Printhead Assembly
2405	USA	7874638	Granted	Printhead Assembly With Parallel Power Input
2406	USA	7874640	Granted	Inkjet Printhead With Shared Ink Spread Restriction Walls
2407	USA	7874641	Granted	Modular Printhead Assembly With Serially Mounted
2408	USA	7874643	Granted	
2409	USA	7874644	Granted	
2410	USA	7874645	Granted	

Exhibit A, Page 77

	Country	Official No.	Case Status	Title
				Printhead Modules
2411	USA	7874646	Granted	Mems Bubble Generator Incorporating Superalloy Heater In Direct Contact With Bubble Formation Liquid Without Intervening Protective Coating
2412	USA	7874662	Granted	METHOD OF REPLACING A PRINthead IN AN INKJET PRINTER WITH MINIMAL INK WASTAGE
2413	USA	7874665	Granted	Printer Having Nested Media Trays
2414	USA	7875139	Granted	METHOD OF ASSEMBLING PAGEWIDTH PRINthead
2415	USA	7875504	Granted	METHOD OF ADHERING WIRE BOND LOOPS TO REDUCE LOOP HEIGHT
2416	USA	7876466	Granted	PRINTER CONTROLLER HAVING JPEG AND EDRL CIRCUITRY
2417	USA	7876475	Granted	Printer Controller For A Pagewidth Printhead Having Halftoner And Compositor Unit
2418	USA	7877875	Granted	METHOD FOR CONNECTING A FLEXIBLE PRINTED CIRCUIT BOARD (PCB) TO A PRINthead ASSEMBLY
2419	USA	7878618	Granted	PROTECTOR FOR PRINthead CAPPER
2420	USA	7878627	Granted	Printhead Assembly Having Printhead Recessed In Channel Body
2421	USA	7878628	Granted	Printer With Reduced Co-Efficient Of Static Friction Nozzle Plate
2422	USA	7878629	Granted	Stackable Printer Module With Two Pairs Of Printheads
2423	USA	7878630	Granted	Printhead Assembly For Inkjet Printer
2424	USA	7878635	Granted	METHOD OF MINIMIZING NOZZLE DROOLING DURING PRINthead PRIMING
2425	USA	7878639	Granted	PRINTER COMPRISING MULTIPLE COLOR CHANNELS WITH SINGLE AIR PUMP FOR PRINthead PRIMING
2426	USA	7878640	Granted	METHOD OF PRIMING A PRINthead HAVING DOWNSTREAM INK LINE CONNECTED TO A PRIMING PUMP
2427	USA	7883183	Granted	Inkjet Nozzle Assembly With Actuatable Nozzle Chamber
2428	USA	7883189	Granted	PRESSURE-REGULATING CHAMBER FOR GRAVITY CONTROL OF HYDROSTATIC INK PRESSURE AND RECYCLING INK SUPPLY SYSTEM
2429	USA	7883192	Granted	INKJET PRINTER CRADLE
2430	USA	7883194	Granted	Printer Cartridge With Printing Fluid, Printhead And Blotter
2431	USA	7884963	Granted	Hand-Held Modular System With Printer And Internal Replaceable Ink Cartridge
2432	USA	7887148	Granted	METHOD OF DEPRIMING A PRINthead WITH CONCOMITANT ISOLATION OF INK SUPPLY CHAMBER
2433	USA	7887160	Granted	Inkjet Printhead With Two-Part Body Structure Containing Heater Elements
2434	USA	7887161	Granted	INKJET PRINthead HAVING AN ARRAY OF DISPLACABLE NOZZLES
2435	USA	7887169	Granted	INK REFILL UNIT WITH INCREMENTAL INK EJECTION ACCUATED BY PRINT CARTRIDGE CRADLE
2436	USA	7887170	Granted	PRESSURE-REGULATING CHAMBER COMPRISING FLOAT VALVE BIASED TOWARDS CLOSURE BY INLET INK PRESSURE
2437	USA	7887171	Granted	Printer Cradle For Receiving An Ink Cartridge With A Gear

Exhibit A, Page 78

	Country	Official No.	Case Status	Title
				Assembly
2438	USA	7887233	Granted	Thermal Bend Actuator Material Selection
2439	USA	7891548	Granted	PRINTER HAVING STRAIGHT MEDIA PATH
				Print Engine Controller Having Controller Circuitry With An
2440	USA	7891748	Granted	Open Actuator Test Circuit
2441	USA	7891749	Granted	Printhead IC With Multiple Operating Modes
				PRINthead TILE HAVING THERMAL BEND INK EJECTION
2442	USA	7891758	Granted	ACTUATOR
				Printhead Maintenance Station Incorporating A Dabbing
2443	USA	7891760	Granted	Device
				Printer Having Relative Arcuately Moveable Printhead,
2444	USA	7891761	Granted	Capper And Purger
				PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE
2445	USA	7891763	Granted	WIPER HAVING MULTIPLE CONTACT BLADES
				PRINthead ASSEMBLY WITH SANDWICHED POWER SUPPLY
2446	USA	7891764	Granted	ARRANGEMENT
2447	USA	7891765	Granted	Printhead Having Displaced Nozzle Rows
2448	USA	7891766	Granted	Printhead Having Combined Printhead Module Types
2449	USA	7891767	Granted	Modular Self-Capping Wide Format Print Assembly
				Printhead Assembly With An Ink Supply Arrangement Having
2450	USA	7891768	Granted	Printhead Segment Carriers
				INKJET PRINthead WITH NOZZLE ASSEMBLIES HAVING
2451	USA	7891769	Granted	RAISED MENISCUS-PINNING RIMS
2452	USA	7891773	Granted	LOW VOLTAGE NOZZLE ASSEMBLY FOR AN INKJET PRINTER
2453	USA	7891774	Granted	PRINthead HAVING LOW PRESSURE RISE NOZZLES
				Inkjet Drop Ejection Apparatus With Radially Extending
2454	USA	7891775	Granted	Thermal Actuators
2455	USA	7891776	Granted	Nozzle Arrangement With Different Sized Heater Elements
				Inkjet Printhead With Heaters Mounted Proximate Thin
2456	USA	7891777	Granted	Nozzle Layer
				INKJET PRINthead ASSEMBLY FOR SYMMETRICAL VAPOR
2457	USA	7891778	Granted	BUBBLE FORMATION
2458	USA	7891779	Granted	Inkjet Printhead With Nozzle Layer Defining Etchant Holes
				PRINthead DE-PRIMING SYSTEM WITH FLOAT VALVE
2459	USA	7891788	Granted	ISOLATION OF PRINthead FROM INK RESERVOIR
				INK PRIMING ARRANGEMENT FOR PRINthead HAVING
2460	USA	7891789	Granted	PICOLITRE INK EJECTION
2461	USA	7891791	Granted	REFILLABLE INK CARTRIDGE WITH INBUILT PRINthead
2462	USA	7891794	Granted	INK SENSING DEVICE
				PRINTER COMPRISING PRIMING PUMP AND DOWNSTREAM
2463	USA	7891795	Granted	EXPANSION CHAMBER
2464	USA	7891803	Granted	Double-Sided Printer Having Opposed Print Engines
2465	USA	7894082	Granted	Integrated Printing And Display Device
				Inkjet Printhead With A Printer Controller For Controlling
2466	USA	7896465	Granted	Nozzle Firing Sequence
2467	USA	7896468	Granted	Ink Ejection Nozzle Arrangement
2468	USA	7896473	Granted	LOW PRESSURE NOZZLE FOR AN INKJET PRINTER

Exhibit A, Page 79

	Country	Official No.	Case Status	Title
2469	USA	7898694	Granted	PRINTER CONTROLLER FOR A PAGewidth PRINTER CONFIGURED TO PERFORM INK COUNTS
2470	USA	7901023	Granted	Inkjet Printhead With Drive Circuitry Controlling Variable Firing Sequences
2471	USA	7901032	Granted	PRINTER HAVING MOVEABLE PRINthead AND CAPPING/PURGING MEMBER
2472	USA	7901037	Granted	Print Engine Having Printhead Control Modes
2473	USA	7901038	Granted	PRINthead ASSEMBLY INCORPORATING HEAT ALIGNING PRINthead MODULES
2474	USA	7901041	Granted	Nozzle Arrangement With An Actuator Having Iris Vanes
2475	USA	7901042	Granted	Inkjet Printhead Assembly Incorporating A Sealing Shim With Aperture Sets
2476	USA	7901043	Granted	Printhead Assembly Having A Ducting Assembly And Printhead Tiles
2477	USA	7901044	Granted	Printhead Having Flexible Controller Connections
2478	USA	7901046	Granted	THERMAL BEND ACTUATOR COMPRISING CONDUCTION PADS
2479	USA	7901047	Granted	Micro-Electromechanical Nozzle Arrangement With An Actuating Mechanism Having A Shutter Member
2480	USA	7901048	Granted	Inkjet Printhead With Thermal Actuator Coil
2481	USA	7901049	Granted	INKJET PRINthead HAVING PROPORTIONAL EJECTION PORTS AND ARMS
2482	USA	7901050	Granted	Printhead Integrated Circuit With Suspended Heater Elements
2483	USA	7901051	Granted	Inkjet Nozzle Assembly Having Thermoelastic Actuator Beam Disposed On Nozzle Chamber Roof
2484	USA	7901052	Granted	Thermal Bend Actuator Comprising Bilayered Passive Beam
2485	USA	7901053	Granted	Printer Having Micro Electro-Mechanical Nozzle Actuators
2486	USA	7901054	Granted	PRINthead INCLUDING MOVING PORTIONS AND SEALING BRIDGES
2487	USA	7901055	Granted	Printhead Having Plural Fluid Ejection Heating Elements
2488	USA	7901056	Granted	PRINthead WITH INCREASING DRIVE PULSE TO COUNTER HEATER OXIDE GROWTH
2489	USA	7901058	Granted	Inkjet Printer Nozzle Arrangement Having Thermal Actuator With Inner And Outer Portion Of Inverse Profile
2490	USA	7901062	Granted	INK COMPARTMENT REFILL UNIT WITH INLET VALVE
2491	USA	7901065	Granted	ACUTATOR, OUTLET VALVE, ACTUATOR, AND CONSTRICTOR MECHANISM ACTUATOR
2492	USA	7901067	Granted	PRINTER INCORPORATING A CUTTER MODULE
2493	USA	7901068	Granted	PRINT MEDIA LOADING MECHANISM HAVING DISPLACEABLE ENDLESS BELTS
2494	USA	7905574	Granted	Flat Panel Computer Display
2495	USA	7905575	Granted	METHOD OF FABRICATING RESISTOR AND PROXIMATE DRIVE TRANSISTOR FOR A PRINthead
2496	USA	7905588	Granted	Inkjet Printhead Assembly
2497	USA	7914104	Granted	Camera Printhead Assembly With Baffles To Retard Ink Acceleration
				Method For Operating A Printer To Compensate For Incorrectly Operating Nozzles

Exhibit A, Page 80

	Country	Official No.	Case Status	Title
2498	USA	7914107	Granted	Printer Incorporating Multiple Synchronizing Printer Controllers
2499	USA	7914114	Granted	PRINT ASSEMBLY HAVING HIGH SPEED PRINthead
2500	USA	7914115	Granted	INKJET PRINthead AND PRINthead NOZZLE ARRANGEMENT INTEGRATED CIRCUIT (IC) INCORPORATING ROWS OF PROXIMAL INK EJECTION PORTS
2501	USA	7914118	Granted	Printhead With Columns Extending Across Chamber Inlet
2502	USA	7914119	Granted	MODULAR PRINthead INCORPORATING A CAPPING DEVICE
2503	USA	7914120	Granted	Inkjet printhead nozzle arrangement with movement transfer mechanism.
2504	USA	7914122	Granted	INKJET PRINthead ASSEMBLY HAVING RELEASABLY ATTACHED PRINthead MODULES
2505	USA	7914131	Granted	INKJET PRINTER WITH SELECTIVELY ISOLATABLE PUMP
2506	USA	7914132	Granted	CARRIER FOR AN INK DISTRIBUTION ASSEMBLY OF AN INK JET PRINthead
2507	USA	7914133	Granted	Cartridge Unit Assembly With Ink Storage Modules And A Printhead IC For A Printer
2508	USA	7914136	Granted	Printer Unit With LCD Touch Screen On Lid
2509	USA	7914140	Granted	Printer Having Easily Mountable Media Transport Arrangement
2510	USA	7914217	Granted	METHOD OF CONTROLLING SATELLITE DROPS FROM AN ENCAPSULANT JETTER
2511	USA	7915091	Granted	Mobile Phone Incorporating Integrated Printer
2512	USA	7917168	Granted	PRINthead SYSTEM FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
2513	USA	7918522	Granted	PRINthead INTEGRATED CIRCUIT HAVING SENSING AND TEST CIRCUITRY
2514	USA	7918524	Granted	Nozzle Arrangement With Sealing Structure And Thermal Actuator
2515	USA	7918525	Granted	Printhead With Printhead Module Locator
2516	USA	7918533	Granted	Printhead Having Interconnected And Sealed Modules
2517	USA	7918535	Granted	Inkjet Printhead Integrated Circuit Comprising A Multilayered Substrate
2518	USA	7918537	Granted	Microelectromechanical Ink jet printhead with printhead temperature feedback
2519	USA	7918540	Granted	Micro-Electromechanical Integrated Circuit Device With Laminated Actuators
2520	USA	7918541	Granted	INK SUPPLY ARRANGEMENT FOR INKJET PRINthead HAVING LARGE NOZZLE NUMBER
2521	USA	7918546	Granted	CORRUGATED THERMAL ACTUATOR
2522	USA	7921645	Granted	PRINthead MAINTENANCE FACILITY WITH INK STORAGE AND DRIVEN VACUUM DRAINAGE COUPLING
2523	USA	7922279	Granted	Printhead Capping Mechanism Having Multiple Gear Assemblies and Method of Assembling Same
2524	USA	7922283	Granted	Method Of Cleaning A Printhead Using Liquid Foam
2525	USA	7922285	Granted	PRINthead ASSEMBLY HAVING PRINthead INTEGRATED CIRCUIT CARRIERS ARRANGED END-TO-END ON INK SUPPLY SUPPORT STRUCTURE
2526	USA	7922290	Granted	

Exhibit A, Page 81

	Country	Official No.	Case Status	Title
2527	USA	7922293	Granted	Printhead Having Nozzle Arrangements With Magnetic Paddle Actuators
2528	USA	7922294	Granted	Ink Jet Printhead with Inner and Outer Heating Loops Method Of Operating A Nozzle Chamber Having Radially Positioned Actuators
2529	USA	7922296	Granted	INK JET PRINTHEAD WITH DISPLACEABLE NOZZLE CROWN
2530	USA	7922298	Granted	Modular Printhead Assembly
2531	USA	7922310	Granted	PRINTHEAD WITH PRESSURE-DAMPENING STRUCTURES
2532	USA	7922313	Granted	Camera Device Incorporating A Print Roll Validation Apparatus
2533	USA	7924313	Granted	Simultaneous Duplex Digital Printer
2534	USA	7924455	Granted	INKJET PRINTER HAVING ROBUST BUBBLE-POINT INK PRESSURE REGULATOR
2535	USA	7926899	Granted	Inkjet Nozzle Assembly With Thermal Bend Actuator Defining Part Of Nozzle Chamber Roof
2536	USA	7926913	Granted	INKJET NOZZLE ASSEMBLY WITH THERMAL BEND ACTUATOR DEFINING MOVING PORTION OF NOZZLE CHAMBER ROOF
2537	USA	7926915	Granted	Duplex Printer With Internal Hard Drive
2538	USA	7929178	Granted	Flat Panel Display
2539	USA	7929179	Granted	Inkjet Printhead and Printhead Nozzle Arrangement
2540	USA	7931351	Granted	Nozzle Arrangement Using Unevenly Heated Thermal Actuators
2541	USA	7931353	Granted	Pagewidth Printhead Assembly With Top-Fed Ink Ducts
2542	USA	7931358	Granted	METHOD OF PRIMING A PRINTHEAD WITH CONCOMITANT REPLENISHMENT OF INK IN AN INK SUPPLY CHAMBER
2543	USA	7931359	Granted	PRINTHEAD PRIMING SYSTEM WITH FEEDBACK CONTROL OF PRIMING PUMP
2544	USA	7931360	Granted	Print Engine Controller For Image Processing Page Data
2545	USA	7933046	Granted	Drive Mechanism Of Printhead Cradle
2546	USA	7934789	Granted	WIDE FORMAT PRINTER HAVING HIGH SPEED PRINTHEAD
2547	USA	7934796	Granted	PRINTHEAD WITH RECIPROCATING COILS
2548	USA	7934797	Granted	INKJET PRINTHEAD COMPRISING NOZZLE PLATE HAVING IMPROVED ROBUSTNESS
2549	USA	7934798	Granted	Inkjet Printer With Low Drop Volume Printhead
2550	USA	7934799	Granted	PRINTHEAD CONTROLLER FOR NOZZLE FAULT CORRECTION
2551	USA	7934800	Granted	Inkjet Nozzle Arrangement With Rectangular Plan Nozzle Chamber And Ink Ejection Paddle
2552	USA	7934803	Granted	NOZZLE ARRANGEMENT HAVING UNIFORM HEATER ELEMENT CONDUCTORS
2553	USA	7934804	Granted	NOZZLE ARRANGEMENT HAVING CHAMBER WITH IN COLLECTION WELL
2554	USA	7934805	Granted	INKJET NOZZLE INCORPORATING PISTON ACTUATOR
2555	USA	7934806	Granted	Printhead Integrated Circuit Comprising Polymeric Cover Layer
2556	USA	7934807	Granted	Inkjet Printhead With Nozzle Chambers Each Holding Two Fluids
2557	USA	7934808	Granted	Printhead Integrated Circuit With Petal Formation Ink
2558	USA	7934809	Granted	

Exhibit A, Page 82

	Country	Official No.	Case Status	Title
				Ejection Actuator
2559	USA	7934817	Granted	Print Engine Controller for a Printhead Assembly
2560	USA	7935204	Granted	METHOD OF FABRICATING PRINTHEAD ASSEMBLY
2561	USA	7936478	Granted	Method Of Printing A Compressed Image Having A Bi-Level Black Layer And A Contone Layer
2562	USA	7936480	Granted	Printer Having A Controller Method Of Printing With Low And High Speed Nozzle Firing Modes
2563	USA	7936483	Granted	Digital Photo Frame With Rotatable Screen
2564	USA	7938498	Granted	Inkjet Printhead with Overlapping Segments
2565	USA	7938500	Granted	PRINTHEAD IC WITH MULTIPLE TEMPERATURE SENSORS
2566	USA	7938503	Granted	Printhead Maintenance Station Having Contact Pad With Sloping Profile
2567	USA	7938505	Granted	PRINTHEAD ASSEMBLY WITH INK SUPPLY VIA EXTRUSION
2568	USA	7938507	Granted	Printhead Nozzle Arrangement With Radially Disposed Actuators
2569	USA	7938509	Granted	Nozzle Arrangement With Sealing Structure
2570	USA	7938514	Granted	PRINTING NOZZLE HAVING FAULT SENSOR
2571	USA	7938518	Granted	INK REFILL UNIT FOR AN INK RESERVOIR
2572	USA	7938519	Granted	Refill Unit For Refilling One Of A Number Of Ink Compartments
2573	USA	7938521	Granted	Ink Cartridge For A Computer System Having An Integral Printer
2574	USA	7938524	Granted	Ink Supply Unit For Ink Jet Printer
2575	USA	7938530	Granted	CRADLE UNIT FOR A PRINTER CARTRIDGE
2576	USA	7938974	Granted	METHOD OF FABRICATING PRINTHEAD USING METAL FILM
2577	USA	7941661	Granted	FOR PROTECTING HYDROPHOBIC INK EJECTION FACE
2578	USA	7942496	Granted	METHOD OF TESTING VALIDITY OF AUTHENTICATION IC
2579	USA	7942499	Granted	Cradle Unit For A Printer Assembly
2580	USA	7942500	Granted	METHOD OF ALIGNING TWO OR MORE PRINTHEAD MODULES MOUNTED TO A SUPPORT MEMBER IN A PRINTER
2581	USA	7942502	Granted	Printhead With Flex PCB Bent Between Contacts And Printhead IC
2582	USA	7942503	Granted	Print Engine Cradle With Maintenance Assembly
2583	USA	7942504	Granted	Printhead With Nozzle Face Recess To Contain Ink Floods
2584	USA	7942505	Granted	Variable-Volume Nozzle Arrangement
2585	USA	7942507	Granted	Inkjet Nozzle Arrangement Having A Nozzle Rim To Facilitate Ink Drop Misdirection
2586	USA	7944586	Granted	Ink Jet Nozzle Arrangement With A Segmented Actuator
2587	USA	7946026	Granted	Nozzle Chamber Cover
2588	USA	7946465	Granted	Page Expansion And Printing Method
2589	USA	7946671	Granted	Inkjet Printhead Production Method
2590	USA	7946674	Granted	WIREBONDER FORMING LOW PROFILE WIRE BONDS BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
				INKJET PRINTER FOR PHOTOGRAPHS
				PRINTHEAD IC WITH OPEN ACTUATOR TEST

Exhibit A, Page 83

	Country	Official No.	Case Status	Title
2591	USA	7946679	Granted	Print Cradle For Retaining Pagewidth Print Cartridge Printer With Nozzles For Generating Vapor Bubbles Offset From Nozzle Axis
2592	USA	7946685	Granted	Bonded Printhead Assembly
2593	USA	7946686	Granted	THERMAL BEND ACTUATOR COMPRISING BENT ACTIVE BEAM HAVING RESISTIVE HEATING BARS
2594	USA	7946687	Granted	Printing Fluid Supply Device With Channeled Absorbent Material
2595	USA	7946697	Granted	Printer Incorporating Partially Arcuate Printhead
2596	USA	7946702	Granted	Printer With A Vibrating Tray
2597	USA	7950343	Granted	Printhead Nozzle Arrangement With Dual Mode Thermal Actuator
2598	USA	7950771	Granted	PRINthead ASSEMBLY HAVING SUPPORTING STRUCTURE OF ALTERNATING MATERIALS
2599	USA	7950772	Granted	Nozzle With Magnetically Actuated Reciprocating Plunger
2600	USA	7950773	Granted	Inkjet Printhead With Narrow Printing Zone
2601	USA	7950774	Granted	Printhead Integrated Circuit Having Glass Nozzle Chambers
2602	USA	7950775	Granted	NOZZLE CHAMBERS HAVING SUSPENDED HEATER ELEMENTS
2603	USA	7950776	Granted	EJECTION NOZZLE ASSEMBLY
2604	USA	7950777	Granted	PRINTER HAVING REFERENCING FOR REMOVABLE PRINthead
2605	USA	7950778	Granted	Inkjet Printhead With Heaters Suspended By Sloped Sections Of Less Resistance
2606	USA	7950779	Granted	Compressible Ink Refill Cartridge
2607	USA	7950784	Granted	Inkjet Printer Refill Cartridge With Sliding Moldings
2608	USA	7950792	Granted	METHOD OF AUTHENTICATING DIGITAL SIGNATURE
2609	USA	7953982	Granted	PRINTER INCLUDING DOT DATA GENERATOR WITH STOCHASTICALLY RAMPED PRINT DATA
2610	USA	7954919	Granted	INKJET PRINTER ASSEMBLY WITH DRIVEN MECHANISMS AND TRANSMISSION ASSEMBLY FOR DRIVING DRIVEN MECHANISMS
2611	USA	7954920	Granted	Printhead Assembly Having Angled Nested Structure
2612	USA	7954928	Granted	PERSONAL DIGITAL ASSISTANT HAVING PRINthead
2613	USA	7954940	Granted	Printer Printing Composited Print Image Planes
2614	USA	7957011	Granted	PRINTING AND DISPLAY DEVICE
2615	USA	7957027	Granted	CONTROLLER HAVING TAG ENCODER FOR PRINthead
2616	USA	7959066	Granted	Print Engine Pipeline Subsystem Of A Printer Controller
2617	USA	7959257	Granted	Printhead Assembly With Reference Features
2618	USA	7959258	Granted	Printhead Integrated Circuit With A Solenoid Piston
2619	USA	7959263	Granted	Print Cartridge Assembly with Ink Storage Reservoirs and Print Media
2620	USA	7959272	Granted	CARTRIDGE UNIT INCORPORATING PRINthead AND INK FEED SYSTEM
2621	USA	7959274	Granted	Printing System Having Coupled Media Drive
2622	USA	7959275	Granted	Simultaneous Duplex Digital Printer
2623	USA	7959281	Granted	PRINTER WITH FOLDABLE PROTECTIVE COVER AND PRINT MEDIA FEED MECHANISM
2624	USA	7961343	Granted	

Exhibit A, Page 84

	Country	Official No.	Case Status	Title
2625	USA	7962767	Granted	INTEGRATED CIRCUIT HAVING OBSCURED STATE CHANGE CIRCUITRY
2626	USA	7963649	Granted	Computer Monitor Having Inkjet Printhead
2627	USA	7967412	Granted	PRINTER HAVING MULTIPLE NOZZLE ICS AND CAPPERS
2628	USA	7967416	Granted	SEALED NOZZLE ARRANGEMENT FOR PRINthead
2629	USA	7967417	Granted	INKJET PRINthead WITH SYMETRICAL HEATER AND NOZZLE SHARING COMMON PLANE OF SYMMETRY
2630	USA	7967418	Granted	PRINthead WITH NOZZLES HAVING INDIVIDUAL SUPPLY PASSAGES EXTENDING INTO SUBSTRATE
2631	USA	7967419	Granted	Ink Jet Printhead Incorporating Heater Element Proportionally Sized To Drop Size
2632	USA	7967420	Granted	Inkjet Printhead Nozzle Arrangement Having Non-Coincident Low Mass Electrode And Heater Element
2633	USA	7967422	Granted	INKJET NOZZLE ASSEMBLY HAVING RESISTIVE ELEMENT SPACED APART FROM SUBSTRATE
2634	USA	7967425	Granted	PRINthead ASSEMBLY WITH INK SUPPLY SHUT OFF LEAK TESTER FOR A CARRIER FOR PRINthead INTEGRATED CIRCUITRY
2635	USA	7971472	Granted	
2636	USA	7971874	Granted	PRINTING ASSEMBLY FOR PRINTING AND BINDING PAGES
2637	USA	7971949	Granted	PRINTER CONTROLLER FOR CORRECTION OF ROTATIONALLY DISPLACED PRINthead
2638	USA	7971950	Granted	METHOD OF CONTROLLING PRINthead
2639	USA	7971958	Granted	Inkjet Printer With Maintenance Assembly Having Non-Absorbent Roller
2640	USA	7971959	Granted	INKJET PRINTER EMPLOYING DISPOSABLE SHEET FOR PRINthead MAINTENANCE
2641	USA	7971960	Granted	PRINthead INTEGRATED CIRCUIT HAVING LONGITUDINAL INK SUPPLY CHANNELS REINFORCED BY TRANSVERSE WALLS
2642	USA	7971965	Granted	Ink Cartridge For Constant Ink Pressure
2643	USA	7971967	Granted	Nozzle Arrangement With Actuator Slot Protection Barrier
2644	USA	7971968	Granted	Printhead Nozzle Arrangement Having Variable Volume Nozzle Chamber
2645	USA	7971969	Granted	PRINthead NOZZLE ARRANGEMENT HAVING INK EJECTING ACTUATORS ANNULARLY ARRANGED AROUND INK EJECTION PORT
2646	USA	7971970	Granted	Ink Ejection Device With Circular Chamber And Concentric Heater Element
2647	USA	7971971	Granted	INKJET NOZZLE ASSEMBLY HAVING BILAYERED PASSIVE BEAM NOZZLE ARRANGEMENT WITH FULLY STATIC CMOS CONTROL
2648	USA	7971972	Granted	LOGIC ARCHITECTURE
2649	USA	7971974	Granted	Printhead Integrated Circuit With Low Loss CMOS Connections To Heaters
2650	USA	7971975	Granted	INKJET PRINthead COMPRISING ACTUATOR SPACED APART FROM SUBSTRATE
2651	USA	7971978	Granted	REFILLABLE INK CARTRIDGE WITH INK BYPASS CHANNEL FOR REFILLING
2652	USA	7973965	Granted	DIGITAL CAMERA WITH INK RESERVOIR AND INK RESERVOIR

Exhibit A, Page 85

	Country	Official No.	Case Status	Title
				INFORMATION INTEGRATED CIRCUIT
2653	USA	7973966	Granted	Method Of Printing A Compressed Image Having Bi-Level Black Contone Data Layers
2654	USA	7976116	Granted	INKJET PRINTER SYSTEM HAVING EQUALISED CONTROL OF DIFFERENT NOZZLE COUNT PRINthead ICS
2655	USA	7976117	Granted	PRINthead INTEGRATED CIRCUIT ASSEMBLY WITH COMPENSATION CONTROLLER.
2656	USA	7976122	Granted	PRINthead MAINTENANCE SYSTEM FOR STATIONARY PAGEWIDTH PRINthead
2657	USA	7976125	Granted	PRINthead WITH LOW DRAG NOZZLES APERTURES
2658	USA	7976129	Granted	Nozzle Structure With Reciprocating Cantilevered Thermal Actuator
2659	USA	7976130	Granted	Printhead micro-electromechanical nozzle arrangement with motion-transmitting structure.
2660	USA	7976131	Granted	Printhead Integrated Circuit Comprising Resistive Elements Spaced Apart From Substrate
2661	USA	7976132	Granted	PRINthead HAVING MOVING ROOF STRUCTURE AND MECHANICAL SEAL
2662	USA	7976137	Granted	Print Cartridge Having Enlarged End Reservoirs
2663	USA	7976141	Granted	Ink Supply Assembly For An Inkjet Printhead Arrangement
2664	USA	7976142	Granted	Ink Cartridge With An Internal Spring Assembly For A Printer
2665	USA	7976143	Granted	INK PRESSURE REGULATOR WITH REGULATOR CHANNEL POSITIONED IN CHAMBER ROOF
2666	USA	7976153	Granted	INKJET PRINTER WITH RETRACTABLE COVER SERVING AS MEDIA GUIDE
2667	USA	7978372	Granted	Printhead Driven By Multiple Print Engine Controllers
2668	USA	7978375	Granted	Printer For Duplex Printing With Transfer Rollers
2669	USA	7979979	Granted	CLAMP ASSEMBLY FOR AN ASSEMBLER OF INTEGRATED CIRCUITRY ON A CARRIER
2670	USA	7980647	Granted	Printer Having Nozzle Displacement Correction
2671	USA	7980648	Granted	Print Engine Controller Utilizing On And Off Chip Memory For Dot Data Formatting
2672	USA	7980657	Granted	PRINthead ASSEMBLY WITH AIR EXPULSION ARRANGEMENT
2673	USA	7980658	Granted	ROTATABLE PLATEN
2674	USA	7980661	Granted	NOZZLE DEVICE INCOPORATING MOVEMENT SENSOR
2675	USA	7980664	Granted	INKJET PRINthead INCORPORATING MULTIPLE HEATER ELEMENTS FOR WEIGHTED INK DROP EJECTION
2676	USA	7980665	Granted	Printhead Assembly With An Extrusion For Housing Bus Bars
2677	USA	7980666	Granted	METHOD OF FORMING THERMAL BEND ACTUATOR WITH CONNECTOR POSTS CONNECTED TO DRIVE CIRCUITRY
2678	USA	7980667	Granted	Nozzle Arrangement With Pivotal Wall Coupled To Thermal Expansion Actuator
2679	USA	7980668	Granted	EJECTION ARRANGEMENT FOR PRINthead NOZZLE
2680	USA	7980669	Granted	Inkjet Thermal Actuator With Parallel Current Paths
2681	USA	7980670	Granted	INKJET PRINthead HAVING SELECTIVELY ACTUABLE NOZZLES ARRANGED IN NOZZLE PAIRS

	Country	Official No.	Case Status	Title
2682	USA	7980673	Granted	INKJET NOZZLE ASSEMBLY WITH LOW DENSITY SUSPENDED HEATER ELEMENT
2683	USA	7980674	Granted	PRINTHEAD INCORPORATING PRESSURE PULSE DIFFUSING STRUCTURES BETWEEN INK CHAMBERS SUPPLIED BY SAME INK INLET
2684	USA	7980684	Granted	PRINTER HAVING SELF-REFERENCING PRINTING CARTRIDGE
2685	USA	7980685	Granted	INK SUPPLY SYSTEM WITH FLOAT VALVE
2686	USA	7982896	Granted	PRINTER MODULE LOGICALLY AND PHYSICALLY CONNECTABLE TO FURTHER MODULES
2687	USA	7984960	Granted	PRINTHEAD MAINTENANCE FACILITY HAVING FLUID DRAINAGE
2688	USA	7984962	Granted	METHOD OF CAPPING PRINTHEAD WITH TWO-STAGE CAPPING MECHANISM
2689	USA	7984963	Granted	PRINTHEAD PURGING SYSTEM WITH HAMMER ACTION
2690	USA	7984965	Granted	PRINT HEAD UNIT WITH PRINTHEAD AND TRANSPORT ROLLERS
2691	USA	7984966	Granted	Inkjet Printhead With Matched Number Of Color Channels And Printhead Modules
2692	USA	7984968	Granted	Inkjet Printhead Nozzle Assembly Having A Raised Rim To Support An Ink Meniscus
2693	USA	7984969	Granted	Printer Having Removably Constrained Printhead
2694	USA	7984970	Granted	Inkjet Printhead Assembly Having Printhead Modules With Nested Ends
2695	USA	7984971	Granted	PRINTHEAD SYSTEM WITH SUBSTRATE CHANNEL
2696	USA	7984972	Granted	SUPPORTING PRINTHEAD AND INK HOSE
2697	USA	7984973	Granted	Printhead Unit Cell Having Rimmed Nozzle Plate
2698	USA	7984974	Granted	Thermal Bend Actuator Comprising Aluminium Alloy
2699	USA	7984975	Granted	PRINTHEAD INTEGRATED CIRCUIT WITH LOW VOLTAGE THERMAL ACTUATORS
2700	USA	7984981	Granted	PRINTHEAD NOZZLE CELL HAVING PHOTORESIST CHAMBER
2701	USA	7986039	Granted	PRINTER WITH INK SUPPLY SYSTEM HAVING DOWNSTREAM CONDUIT LOOP
2702	USA	7986439	Granted	WAFER ASSEMBLY COMPRISING MEMS WAFER WITH POLYMERIZED SILOXANE ATTACHMENT SURFACE
2703	USA	7988033	Granted	Resource Entity using Resource Request Entity for Verification
2704	USA	7988248	Granted	METHOD OF REDUCING WIRE BOND PROFILE HEIGHT IN INTEGRATED CIRCUITS MOUNTED TO CIRCUIT BOARDS
2705	USA	7988261	Granted	Print Engine For Rotated Ejection Nozzle Correction
2706	USA	7988262	Granted	PRINTHEAD HAVING LAYERED HEATER ELEMENTS AND ELECTRODES
2707	USA	7991432	Granted	FLUID-EJECTING INTEGRATED CIRCUIT UTILIZING ELECTROMAGNETIC DISPLACEMENT
2708	USA	7991699	Granted	Method of printing a voucher based on geographical location
2709	USA	7992963	Granted	Tamper detection line circuitry for use in authenticating an integrated circuit
2710	USA	7992966	Granted	Modular Printhead Incorporating Printhead Modules On A Delivery Extrusion
				Printhead Assembly Having An Encased Printhead Module

Exhibit A, Page 87

	Country	Official No.	Case Status	Title
2711	USA	7992968	Granted	FLUID EJECTION DEVICE WITH OVERLAPPING FIRING CHAMBER AND DRIVE FET
2712	USA	7996880	Granted	SECURE UPDATING OF INTEGRATED CIRCUITS
2713	USA	7997673	Granted	PRINTHEAD IC WITH TEMPERATURE BASED DE-CLOG EJECTION
2714	USA	7997685	Granted	Nozzle Arrangement With Rectilinear Ink Ejection
2715	USA	7997686	Granted	INKJET NOZZLE ARRANGEMENT INCORPORATING THERMAL DIFFERENTIAL ACTUATOR
2716	USA	7997687	Granted	PRINTHEAD NOZZLE ARRANGEMENT HAVING INTERLEAVED HEATER ELEMENTS
2717	USA	7997688	Granted	UNIT CELL FOR THERMAL INKJET PRINTHEAD
2718	USA	7997690	Granted	Inkjet Printer
2719	USA	7997704	Granted	PRINT MEDIA AND FLUID CARTRIDGE OF PHOTOFINISHING SYSTEM
2720	USA	7997706	Granted	Printer For A Web Substrate
2721	USA	8002381	Granted	INKJET PRINTER WITH RECIPROCALLY MOVABLE MAINTENANCE STATION
2722	USA	8002384	Granted	Printing Cartridge Mounted With Adhesively Sealant Film
2723	USA	8002386	Granted	INKJET PRINTHEAD HAVING NOZZLE CHAMBERS WITH REDUNDANT INK INLETS
2724	USA	8002393	Granted	Print Engine With A Refillable Printer Cartridge And Ink Refill Port
2725	USA	8002394	Granted	REFILL UNIT FOR FLUID CONTAINER
2726	USA	8005636	Granted	Method Of Controlling Clock Signal
2727	USA	8006384	Granted	Method Of Producing Pagewidth Inkjet Printhead
2728	USA	8007063	Granted	PRINTER HAVING PRINTHEAD WITH MULTIPLE CONTROLLERS
2729	USA	8007065	Granted	Printer Control Circuitry For Reading Ink Information From A Refill Unit
2730	USA	8007068	Granted	PRINTER HAVING RECYCLING INK AND PRESSURE-EQUALIZED UPSTREAM AND DOWNSTREAM INK LINES
2731	USA	8007075	Granted	PRINTHEAD HAVING NOZZLE PLATE FORMED ON FLUID DISTRIBUTORS
2732	USA	8007083	Granted	REFILL UNIT FOR INCREMENTALLY FILLING FLUID CONTAINER
2733	USA	8007085	Granted	Inkjet Printer Having Funnelled Distribution To Nozzle ICS
2734	USA	8007087	Granted	Inkjet Printer Having An Ink Cartridge Unit Configured To Facilitate Flow Of Ink Therefrom
2735	USA	8007089	Granted	PRINTER WITH PRINTHEAD CARTRIDGE AND PRINTER BODY THAT SIMULTANEOUSLY ENGAGE AN INK CARTRIDGE
2736	USA	8007092	Granted	Air Tight Ink Cartridge With Unobstructed Ink Outlet
2737	USA	8007093	Granted	Print Engine For Inkjet Printer
2738	USA	8009333	Granted	Print Controller For A Mobile Telephone Handset
2739	USA	8011747	Granted	Printer Controller For controlling A Printhead With Horizontally Grouped Firing Order
2740	USA	8011748	Granted	INKJET PRINTHEAD WITH VARIABLE DRIVE PULSE
2741	USA	8011754	Granted	Wide Format Pagewidth Inkjet Printer
2742	USA	8011755	Granted	MOLDED INK MANIFOLD WITH POLYMER COATING

Exhibit A, Page 88

	Country	Official No.	Case Status	Title
2743	USA	8011757	Granted	INKJET PRINthead WITH INTERLEAVED DRIVE TRANSISTORS Printer With Ink Cartridge For Sealed Connection With Inlet Valve Prior To Valve Actuation
2744	USA	8011758	Granted	INKJET PRINthead WITH SUSPENDED HEATER ELEMENT SPACED FROM CHAMBER WALLS
2745	USA	8011760	Granted	PRINthead CARTRIDGE VALVE ASSEMBLY WITH DIAPHRAGM PRESSURE REGULATOR
2746	USA	8011766	Granted	PRINTER WITH MINIMAL DISTANCE BETWEEN PRESSURE- DAMPENING STRUCTURES AND NOZZLES
2747	USA	8011773	Granted	Drying System for Web Printer
2748	USA	8011780	Granted	METAL FILM PROTECTION DURING PRINthead FABRICATION WITH MINIMUM NUMBER OF MEMS PROCESSING STEPS
2749	USA	8012363	Granted	Mobile Phone Having Pagewidth Printhead
2750	USA	8014022	Granted	Printhead Controller For Controlling Printhead On Basis Of Thermal Sensors
2751	USA	8016379	Granted	PRINthead IC WITH STAGGERED NOZZLE FIRING PULSES
2752	USA	8016389	Granted	Ink Reservoir
2753	USA	8016400	Granted	REMOVABLE INKJET PRINTER CARTRIDGE INCORPORATING PRINthead AND INK STORAGE RESERVOIRS
2754	USA	8016402	Granted	FLAT PANEL DISPLAY UNIT WITH INTEGRATED PRINTER Inkjet Printer Assembly With A Central Processing Unit Configured To Determine A Performance Characteristic Of A Print Cartridge
2755	USA	8016500	Granted	Clock Signal Extracting During Printing
2756	USA	8016503	Granted	PRINTER HAVING ROTATABLE CAPPING/PURGING MECHANISM FOR DUAL PRINtheads
2757	USA	8018478	Granted	PRINthead SUPPORT STRUCTURE WITH CAVITIES FOR PULSE DAMPING
2758	USA	8020962	Granted	Ink Channel Extrusion Module For Pagewidth Printhead
2759	USA	8020965	Granted	Printhead Module For A Inkjet Printhead Assembly
2760	USA	8020966	Granted	PRINthead ASSEMBLY HAVING MODULAR PRINthead TILE SUPPORT STRUCTURE WITH INTEGRATED ELECTRICAL CONNECTOR ASSEMBLIES
2761	USA	8020968	Granted	PRINthead NOZZLE ARRANGEMENTS WITH MAGNETIC PADDLE ACTUATORS
2762	USA	8020969	Granted	Reservoir Assembly for a Pagewidth Printhead Cartridge. Cartridge With Optically Readable Print Media And Ink Information
2763	USA	8020970	Granted	PRINTER WITH RESERVOIR HEADSPACE PRESSURE CONTROL
2764	USA	8020976	Granted	Printing System Having Media Loop Dryer
2765	USA	8020979	Granted	Industrial Printer With Cutter And Dryer Modules
2766	USA	8020980	Granted	METHOD OF WIRE BOND ENCAPSULATION PROFILING
2767	USA	8020984	Granted	Printing And Flat Panel Display Device
2768	USA	8025009	Granted	Printer System For Providing Pre-Heat Signal To Printhead
2769	USA	8025204	Granted	SYSTEM FOR PIVOTED CONNECTION OF CRADLE UNIT AND PRINthead CARTRIDGE
2770	USA	8025350	Granted	Mems Integrated Circuit With Polymerized Siloxane Layer
2771	USA	8025355	Granted	
2772	USA	8025364	Granted	
2773	USA	8025365	Granted	

Exhibit A, Page 89