

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2786248

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SILVERBROOK RESEARCH PTY LTD	02/01/2013
RECEIVING PARTY DATA		
Name:	ZAMTEC LIMITED	
Street Address:	8 FITZWILLIAM SQUARE	
City:	DUBLIN 2	
State/Country:	IRELAND	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14195992
CORRESPONDENCE DATA		
Fax Number:	(858)485-1278	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	8582178912	
Email:	docketing@memjet.com	
Correspondent Name:	ZAMTEC LIMITED C/O MEMJET	
Address Line 1:	61/62 FITZWILLIAM LANE	
Address Line 4:	DUBLIN 2, IRELAND	
ATTORNEY DOCKET NUMBER:	HHP006US-CON	
NAME OF SUBMITTER:	RUSSELL B. MILLER	
SIGNATURE:	/Russell B Miller/	
DATE SIGNED:	03/26/2014	
Total Attachments: 190		
source=First Confirmatory Assignment Executed#page1.tif		
source=First Confirmatory Assignment Executed#page2.tif		
source=First Confirmatory Assignment Executed#page3.tif		
source=First Confirmatory Assignment Executed#page4.tif		
source=First Confirmatory Assignment Executed#page5.tif		
source=First Confirmatory Assignment Executed#page6.tif		
source=First Confirmatory Assignment Executed#page7.tif		
source=First Confirmatory Assignment Executed#page8.tif		

[illegible]

[illegible]

[illegible]

source=First Confirmatory Assignment Executed#page153.tif
source=First Confirmatory Assignment Executed#page154.tif
source=First Confirmatory Assignment Executed#page155.tif
source=First Confirmatory Assignment Executed#page156.tif
source=First Confirmatory Assignment Executed#page157.tif
source=First Confirmatory Assignment Executed#page158.tif
source=First Confirmatory Assignment Executed#page159.tif
source=First Confirmatory Assignment Executed#page160.tif
source=First Confirmatory Assignment Executed#page161.tif
source=First Confirmatory Assignment Executed#page162.tif
source=First Confirmatory Assignment Executed#page163.tif
source=First Confirmatory Assignment Executed#page164.tif
source=First Confirmatory Assignment Executed#page165.tif
source=First Confirmatory Assignment Executed#page166.tif
source=First Confirmatory Assignment Executed#page167.tif
source=First Confirmatory Assignment Executed#page168.tif
source=First Confirmatory Assignment Executed#page169.tif
source=First Confirmatory Assignment Executed#page170.tif
source=First Confirmatory Assignment Executed#page171.tif
source=First Confirmatory Assignment Executed#page172.tif
source=First Confirmatory Assignment Executed#page173.tif
source=First Confirmatory Assignment Executed#page174.tif
source=First Confirmatory Assignment Executed#page175.tif
source=First Confirmatory Assignment Executed#page176.tif
source=First Confirmatory Assignment Executed#page177.tif
source=First Confirmatory Assignment Executed#page178.tif
source=First Confirmatory Assignment Executed#page179.tif
source=First Confirmatory Assignment Executed#page180.tif
source=First Confirmatory Assignment Executed#page181.tif
source=First Confirmatory Assignment Executed#page182.tif
source=First Confirmatory Assignment Executed#page183.tif
source=First Confirmatory Assignment Executed#page184.tif
source=First Confirmatory Assignment Executed#page185.tif
source=First Confirmatory Assignment Executed#page186.tif
source=First Confirmatory Assignment Executed#page187.tif
source=First Confirmatory Assignment Executed#page188.tif
source=First Confirmatory Assignment Executed#page189.tif
source=First Confirmatory Assignment Executed#page190.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.

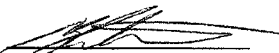
The Assignors hereby authorize and empower Assignee, its successors, assigns, legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for all inventions related to the Assigned IP filed by it or them, the benefit of the right of priority, including 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.

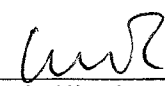
The Assignors hereby covenant with Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, that the Assignors have full right to convey the same as herein expressed free and clear of all liens, claims, and encumbrances, 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.

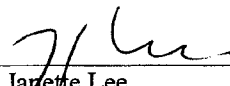
This First Confirmatory Assignment shall be subject to, and interpreted by and in accordance with, the laws of England.

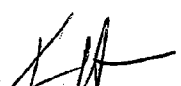
Witness Signature 
Witness Name NICHOLAS CHRISTIANSEN
Date 1 FEBRUARY 2013

Silverbrook Research Pty. Limited

By 
Kia Silverbrook

Witness Signature 
Witness Name NICHOLAS CHRISTIANSEN
Date 1 FEBRUARY 2013

By 
Janette Lee

Witness Signature 
Witness Name Edwin 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
3	USA	6110754	Granted	Method of Manufacture of a Thermal Elastic Rotary Impeller Ink Jet Print Head
4	USA	6171875	Granted	A Method of Manufacture of a Radial Back-Curling Thermoelastic Ink Jet Printer
5	USA	6180427	Granted	A Method of Manufacture of a Thermally Actuated Ink Jet including a Tapered Heater Element
6	USA	6188415	Granted	Ink Jet Printer having a Thermal Actuator Comprising an External Coil Spring
7	USA	6190931	Granted	A Method of Manufacture of a Linear Spring Electromagnetic 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
10	USA	6213589	Granted	Planar Thermoelastic Bend Actuator Ink Jet Printing Mechanism
11	USA	6214244	Granted	Method of Manufacture of a Reverse Spring Lever Ink Jet Printer
12	USA	6217153	Granted	Single Bend Actuator Cupped Paddle Ink Jet Printing Mechanism
13	USA	6217165	Granted	Ink and Media Cartridge with Axial Ink Chambers
14	USA	6220694	Granted	Pulsed Magnetic Field Ink Jet Printing Mechanism
15	USA	6224780	Granted	Method of Manufacture of a Radiant Plunger Electromagnetic Ink Jet Printer
16	USA	6225138	Granted	Method of Manufacture of a Pulsed Magnetic Field Ink Jet 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
20	USA	6228668	Granted	Method of Manufacture of a Thermally Actuated Ink Jet 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
23	USA	6231773	Granted	A Method of Manufacture of a Tapered Magnetic Pole Electromagnetic Ink Jet Printer
24	USA	6234609	Granted	High Young's Modulus Thermoelastic Ink Jet Printing 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
29	USA	6238040	Granted	Thermally Actuated Slotted Chamber Wall Ink Jet Printing Mechanism

	Country	Official No.	Case Status	Title
30	USA	6238043	Granted	Ink Cartridge for Compact Printer System
31	USA	6238044	Granted	Print Cartridge
32	USA	6238115	Granted	Modular Commercial Printer
33	USA	6239821	Granted	Direct Firing Thermal Bend Actuator Ink Jet Printing Mechanism
34	USA	6241342	Granted	Lorenz Diaphragm Electromagnetic Ink Jet Printing Mechanism
35	USA	6241904	Granted	Method of Manufacture of a Two Plate Reverse Firing Electromagnetic Ink Jet Printer
36	USA	6241905	Granted	Method of Manufacture of a Curling Calyx Thermoelastic Ink Jet Printer
37	USA	6241906	Granted	Method of Manufacture of a Buckle Strip Grill Oscillating Pressure Ink Jet Printer
38	USA	6243113	Granted	Thermally Actuated Ink Jet Printing Mechanism including a Tapered Heater Element
39	USA	6244691	Granted	Ink Jet Printing Mechanism
40	USA	6245246	Granted	Method of Manufacture of a Thermally Actuated Slotted Chamber Wall Ink Jet Printer
41	USA	6245247	Granted	Method of Manufacture of a Surface Bend Actuator Vented Ink Supply Ink Jet Printer
42	USA	6246970	Granted	Method for Making a Chip Tamper-Resistant
43	USA	6247790	Granted	Inverted Radial Back-Curling Thermoelastic Ink Jet Printing Mechanism
44	USA	6247791	Granted	Dual Nozzle Single Horizontal Fulcrum Actuator Ink Jet Printing Mechanism
45	USA	6247792	Granted	PTFE Surface Shooting Shuttered Oscillating Pressure Ink Jet Printing Mechanism
46	USA	6247793	Granted	Tapered Magnetic Pole Electromagnetic Ink Jet Printing Mechanism
47	USA	6247794	Granted	Linear Stepper Actuator Ink Jet Printing Mechanism
48	USA	6247795	Granted	Reverse Spring Lever Ink Jet Printing Mechanism
49	USA	6247796	Granted	Magnetostrictive Ink Jet Printing Mechanism
50	USA	6248248	Granted	Method of Manufacture of a magnetostrictive Ink Jet Printer
51	USA	6248249	Granted	Method of Manufacture of a Lorenz Diaphragm Electromagnetic Ink Jet Printer
52	USA	6251298	Granted	Method of Manufacture of a Planar Swing Grill Electromagnetic Ink Jet Printer
53	USA	6254220	Granted	Shutter Based Ink Jet Printing Mechanism
54	USA	6254793	Granted	Method of Manufacture of a High Young's Modulus Thermoelastic Ink Jet Printer
55	USA	6257704	Granted	Planar Swing Grill Electromagnetic Ink Jet Printing Mechanism
56	USA	6257705	Granted	Two Plate Reverse Firing Electromagnetic Ink Jet Printing Mechanism
57	USA	6258284	Granted	Method of Manufacture of a Dual Nozzle Single Horizontal Actuator Ink Jet Printer
58	USA	6258285	Granted	Method of Manufacture of a Pump Action Refill Ink Jet Printer
59	USA	6260953	Granted	Surface Bend Actuator Vented Ink Supply Ink Jet Printing Mechanism

Exhibit A, Page 2

	Country	Official No.	Case Status	Title
60	USA	6264306	Granted	Linear Spring Electromagnetic Grill Ink Jet Printing Mechanism
61	USA	6264307	Granted	Buckle Grill Oscillating Pressure Ink Jet Printing Mechanism
62	USA	6264849	Granted	Method of Manufacture of a Bend Actuator Direct Ink Supply Ink Jet Printer
63	USA	6264850	Granted	Dual Nozzle Single Horizontal Fulcrum Actuator Ink Jet A Solenoid Actuated Magnetic Plate Ink Jet Printing Mechanism
64	USA	6267469	Granted	Method of Manufacture of an Inverted Radial Back-Curling Thermoelastic Ink Jet
65	USA	6267904	Granted	Method of Manufacture of a Permanent Magnet Electromagnetic Ink Jet Printer
66	USA	6267905	Granted	Inkjet Printhead Having a Self Aligned Nozzle
67	USA	6273544	Granted	A Method of Manufacturing of a Direct Firing Thermal Bend Actuator Ink Jet Printer
68	USA	6274056	Granted	Method of Manufacture of a Planar Thermoelastic Bend Actuator Ink Jet Printer
69	USA	6280643	Granted	Air Supply Arrangement for a Printer
70	USA	6281912	Granted	Radial Back-Curling Thermoelastic Ink Jet Printing Mechanism
71	USA	6283581	Granted	Iris Motion Ink Jet Printing Mechanism
72	USA	6283582	Granted	Method of Manufacture of a Stacked Electrostatic Ink Jet Printer
73	USA	6284147	Granted	Method of Manufacture of a Conductive PTFE Bend Activator Vented Ink Jet Printer
74	USA	6290861	Granted	Method of Manufacture of a PTFE Surface Shooting Shuttered Oscillating Pressure Ink Jet Printer
75	USA	6290862	Granted	Thermoelastic Bend Actuator Ink Jet Printing Mechanism
76	USA	6293653	Granted	Method of Manufacture of a Thermoelastic Bend Actuator Ink Jet Printer
77	USA	6294101	Granted	Inkjet Printhead with Nozzle Pokers
78	USA	6299289	Granted	Fluid Flow Restriction in an Inkjet Printhead
79	USA	6299290	Granted	Micro electro-mechanical system for ejection of fluids
80	USA	6299300	Granted	Method of Manufacture of a Linear Stepper Actuator Ink Jet Printer
81	USA	6299786	Granted	Thermal Actuated Ink Jet Printing Mechanism
82	USA	6302528	Granted	Liquid Ejection Device
83	USA	6305788	Granted	Method of Manufacture of a Shape Memory Alloy Ink Jet Printer
84	USA	6306671	Granted	Inkjet Printhead Having an Actuator Shroud
85	USA	6309048	Granted	Thermoelastic Bend Actuator Using PTFE Corrugated Heater Ink Jet Printing Mechanism
86	USA	6312107	Granted	Method of Interconnecting a Printhead with an Ink Supply Manifold and a Combined Structure Resulting Therefrom
87	USA	6312114	Granted	Single Bend Actuator Cupped Paddle Ink Jet Printing Device
88	USA	6312615	Granted	Method of Manufacture of a Coil Actuated Magnetic Plate Ink Jet Printer
89	USA	6315914	Granted	Fluid Supply Mechanism For Multiple Fluids to Multiple
90	USA	6318849	Granted	

Exhibit A, Page 3

	Country	Official No.	Case Status	Title
				Spaced Orifice
91	USA	6318920	Granted	Rotating Platen Member
92	USA	6322195	Granted	Nozzle Chamber Paddle
93	USA	6328417	Granted	Ink Jet Printhead Nozzle Array
94	USA	6328425	Granted	Thermal Bend Actuator for a Micro Electro-Mechanical Device
95	USA	6328431	Granted	Seal in a Micro Electro-Mechanical Device
96	USA	6331258	Granted	Method of Manufacture of Buckle Plate Ink Jet Printer
				Method for Protecting On-Chip Memory (Flash and RAM)
97	USA	6331946	Granted	Against Attacks
98	USA	6334190	Granted	A System for the Manipulation of Secure Data
99	USA	6334664	Granted	Capping a Printhead Against a Transfer Roller
				Dual Nozzle Single Horizontal Actuator Ink Jet Printing
100	USA	6336710	Granted	Mechanism
				Conductive PTFE Bend Actuator Vented Ink Jet Printing
101	USA	6338547	Granted	Mechanism
102	USA	6338548	Granted	Seal in a Micro Electro-Mechanical Device
103	USA	6347864	Granted	Print Engine Including an Air Pump
104	USA	6350023	Granted	Fluid Supply Mechanism
105	USA	6362843	Granted	Thermal Elastic Rotary Impeller Ink Jet Printing Mechanism
106	USA	6364451	Granted	Duplexed Redundant Print Engines
107	USA	6364453	Granted	Thermal Actuator
108	USA	6364461	Granted	Ink Jet with Rotary Actuator
109	USA	6374354	Granted	Consumable Authentication Protocol and System
110	USA	6378989	Granted	Micromechanical Device with Ribbed Bend Actuator
				Nozzle Arrangement for an Ink Jet Printhead Incorporating a
111	USA	6378990	Granted	Linear Spring Mechanism
112	USA	6386535	Granted	Loading Mechanism for a Modular Commercial Printer
113	USA	6390591	Granted	Nozzle Guard fopr an Ink jet Printhead
114	USA	6390603	Granted	Buckle Plate Ink Jet Printing Mechanism
115	USA	6390605	Granted	Thermal Bend Actuator
116	USA	6394573	Granted	Printing with a Multi-Segment Printhead
117	USA	6394581	Granted	Paddle Type Ink Jet Printing Mechanism
118	USA	6398332	Granted	Controlling the Timing of Printhead Nozzle Firing
119	USA	6398343	Granted	Residue Guard for Nozzle Groups of an Ink Jet Printhead
120	USA	6398344	Granted	Printhead Assembly for a Modular Commercial Printer
121	USA	6398359	Granted	Printer Transfer Roller with Internal Drive Motor
				Ink Jet Nozzle Assembly Including Meniscus Pinning of a
122	USA	6402300	Granted	Fluidic Seal
				Hand Held Mobile Phone with Integral Internal Printer with
123	USA	6405055	Granted	Print Media Supply
124	USA	6406129	Granted	Fluidic Seal for Moving Nozzle Ink Jet
125	USA	6409323	Granted	Laminated Ink Distribution Assembly for a Printer
126	USA	6412904	Granted	Residue Removal from Nozzle Guard for Ink Jet Printhead
127	USA	6412908	Granted	Inkjet Collimator
128	USA	6412912	Granted	Ink Jet Printer Mechanism with Colinear Nozzle and Inlet

Exhibit A, Page 4

	Country	Official No.	Case Status	Title
129	USA	6412914	Granted	Nozzle Arrangement for an Ink Jet Printhead that Includes a Hinged Actuator
130	USA	6416154	Granted	Printing Cartridge with Two Dimensional Code Identification
131	USA	6416160	Granted	Compact printer system and novel capping mechanism
132	USA	6416167	Granted	Thermally Actuated Ink Jet Printing Mechanism having a Series of Thermal Actuator Units
133	USA	6416168	Granted	Pump Action Refill Ink Jet Printing Mechanism
134	USA	6416170	Granted	Differential Thermal Ink Jet Printing Mechanism
135	USA	6416679	Granted	Method of Manufacture of a Thermoelastic Bend Actuator Using PTFE and Corrugated Copper Ink Jet Printer
136	USA	6417757	Granted	Buckle Resistant Thermal Bend Actuators
137	USA	6420196	Granted	A Method of forming an Inkjet Printhead Using Part of Active Circuitry Layers to Form Sacrificial Structures
138	USA	6425651	Granted	High-Density Inkjet Nozzle Array for an Inkjet Printhead
139	USA	6425654	Granted	Ink Jet Printhead with Tapered Nozzle Chambers
140	USA	6425657	Granted	Ink Jet with Coiled Actuator
141	USA	6425658	Granted	Transformation of Motion in a Nozzle Arrangement for an Ink Jet Printhead
142	USA	6425661	Granted	Ink Cartridge
143	USA	6425700	Granted	Separating Device for a Print Engine
144	USA	6426014	Granted	Method of Manufacturing a Thermal Bend Actuator
145	USA	6428133	Granted	Ink Jet Printhead Having a Moving Nozzle with an Externally Arranged Actuator
146	USA	6428139	Granted	Ink Jet Fault Tolerance Using Extra Ink Dots
147	USA	6428142	Granted	Four Colour Modular Printhead System
148	USA	6428147	Granted	Ink Jet Nozzle Assembly Including a Fluidic Seal
149	USA	6431777	Granted	A Printer for Incorporation into Systems with Limited Access
150	USA	6435664	Granted	Nozzle Arrangement that Includes a Thermal Actuator for an Ink Jet Printhead
151	USA	6435667	Granted	Opposed Election Ports and Ink Inlets in an Ink Jet Printhead Chip
152	USA	6439689	Granted	Inkjet Printhead with Nozzle Rim
153	USA	6439693	Granted	Thermal Bend Actuator
154	USA	6439694	Granted	Ink Jet Printhead with Tapered Magnetic Actuators
155	USA	6439695	Granted	Nozzle Arrangement for an Ink Jet Printhead Including Volume-Reducing Actuators
156	USA	6439699	Granted	Ink Supply Unit Structure
157	USA	6439704	Granted	Ejector Mechanism for a Print Engine
158	USA	6439908	Granted	Power Supply for a Four Color Modular Printhead
159	USA	6442525	Granted	System for Authenticating Physical Objects
160	USA	6443555	Granted	PAGEWIDTH WIDE FORMAT PRINTER
161	USA	6443558	Granted	Inkjet Printhead Having Thermal Bend Actuator with Separate Heater Element
162	USA	6443559	Granted	Ink Jet Printhead which Incorporates Mass Actuated Ink Ejection Mechanisms
163	USA	6447099	Granted	Ink jet Mechanism with Thermoelastic Bend Actuator Having

Exhibit A, Page 5

	Country	Official No.	Case Status	Title
				Conductive and Resistive Beams
164	USA	6447100	Granted	A Nozzle Arrangement for an Ink Jet Printhead which includes a Refill Actuator
165	USA	6447113	Granted	A Duplex Inkjet Printing System
166	USA	6450605	Granted	Modular Printhead and Methods of Loading and Printing Using It
167	USA	6451216	Granted	A Method of Manufacture of a Thermal Actuated Ink Jet Printer
168	USA	6454378	Granted	Method of Managing Printhead Assembly Defect Data and a Printhead Assembly with Defect Data
169	USA	6454396	Granted	Micro electro-mechanical system which includes an electromagnetically operated actuator mechanism
170	USA	6457795	Granted	Actuator Control In A Micro Electro-Mechanical Device
171	USA	6457809	Granted	Drop Flight Correction for Moving Nozzle Ink Jet
172	USA	6457810	Granted	Method of assembly of six colour inkjet modular printhead
173	USA	6457812	Granted	Bend Actuator in an Ink Jet Printhead
174	USA	6457813	Granted	Nozzle Arrangement for an Ink Jet Printhead Having an Actuator Mechanism that Incorporates Spring Movement.
175	USA	6460778	Granted	Liquid Ejection Device
176	USA	6460971	Granted	Ink Jet With High Young's Modulus Actuator
177	USA	6464325	Granted	Ink jet printhead incorporating laterally displaceable actuator mechanisms
178	USA	6464332	Granted	Method and apparatus for the compensation for time varying nozzle misalignment in a drop on demand printhead
179	USA	6464340	Granted	Ink Jet Printing Apparatus with Balanced Thermal Actuator
180	USA	6471331	Granted	A Capping Mechanism for a Print Engine
181	USA	6471336	Granted	A Nozzle Arrangement that Incorporates a Reversible Actuating Mechanism
182	USA	6478406	Granted	Ink Jet Ejector
183	USA	6480089	Granted	Thermal Bend Actuator
184	USA	6485123	Granted	Shutter Ink Jet
185	USA	6485135	Granted	Ink Feed for Six Color Inkjet Modular Printhead
186	USA	6488358	Granted	Ink Jet with Multiple Actuators per nozzles
187	USA	6488359	Granted	Ink Jet Printhead that Incorporates Through-Chip Ink Ejection Nozzle Arrangements
188	USA	6488360	Granted	A Nozzle Arrangement for an Ink Jet Printhead that Includes a Coiled Actuator
189	USA	6488361	Granted	An Inkjet Printhead that Incorporates Closure Mechanisms
190	USA	6488362	Granted	Inkjet Printhead with Nozzle Pokers
191	USA	6488422	Granted	PAPER THICKNESS SENSOR IN A PRINTER
192	USA	6491833	Granted	A Method of Manufacture of a Dual Chamber Single Vertical Actuator Ink Jet Printer
193	USA	6502306	Granted	Method of Fabricating a Micro-Electromechanical Systems Device
194	USA	6503408	Granted	A Method of Manufacturing a Micro Electro-Mechanical Device
195	USA	6505912	Granted	Ink Jet Nozzle Arrangement

Exhibit A, Page 6

	Country	Official No.	Case Status	Title
196	USA	6505913	Granted	Nozzle Guard Alignment for Ink Jet Printhead
197	USA	6505916	Granted	Nozzle Poker for Moving Nozzle Ink Jet
198	USA	6508546	Granted	Ink Supply Arrangement for a Portable Ink Jet Printer
199	USA	6512596	Granted	Halftoner/Compositor
200	USA	6513908	Granted	Pusher Actuation in a Printhead Chip for an Inkjet Printhead
201	USA	6526658	Granted	Method of Manufacture of an Ink Jet Printhead Having a Moving Nozzle with an Externally Arranged Actuator
202	USA	6527374	Granted	Translation to Rotation Conversion in an Inkjet Printhead
203	USA	6533390	Granted	A Printhead Assembly for a Printer and a Method of Manufacture Thereof
204	USA	6536874	Granted	Symmetrically Actuated Ink Ejection Components for an Ink Jet Printhead Chip
205	USA	6540331	Granted	Actuating Mechanism which Includes a Thermal Bend Actuator
206	USA	6540332	Granted	Motion Transmitting Structure for a Nozzle Arrangement of a Printhead Chip for an Inkjet
207	USA	6546628	Granted	Printhead Chip
208	USA	6547364	Granted	Printing Cartridge with an Integrated Circuit Device
209	USA	6547368	Granted	Printer Including Printhead Capping Mechanism
210	USA	6547371	Granted	Method of Constructing Inkjet Printheads
211	USA	6550895	Granted	Moving Nozzle Ink Jet with Inlet Restriction
212	USA	6550896	Granted	Nozzle Arrangement for an Ink Jet Printhead that Includes a Shape Memory Actuator
213	USA	6557970	Granted	Nozzle Guard for a Printhead
214	USA	6557977	Granted	Shape Memory Alloy Ink Jet Printing Mechanism
215	USA	6559969	Granted	A Print Head Controller for a Printer and a Method of Controlling a Print Head
216	USA	6561617	Granted	Nozzle guard for an inkjet printhead
217	USA	6565181	Granted	A Printing Cartridge with Switch Array Identification
218	USA	6565193	Granted	Component for a Four Color Printhead Module
219	USA	6565762	Granted	Method of Manufacture of a Shutter Based Ink Jet Printer
220	USA	6566858	Granted	Circuit for Protecting Chips Against IDD Fluctuation Attacks
221	USA	6575549	Granted	Inkjet Fault Tolerance Using Adjacent Nozzles
222	USA	6575561	Granted	Modular Printhead Alignment System
223	USA	6582059	Granted	Discrete Air and Nozzle Chambers in a Printhead Chip for an Inkjet Printhead
224	USA	6588882	Granted	Injet Printheads
225	USA	6588885	Granted	Nozzle Flood Isolation for Ink Jet Printhead
226	USA	6588886	Granted	Nozzle Guard for an Ink Jet Printhead
227	USA	6588952	Granted	An Ink Feed Arrangement for a Print Engine
228	USA	6592207	Granted	Power Distribution Agreement for an Inkjet Printhead
229	USA	6595624	Granted	Actuator Element
230	USA	6598964	Granted	Printhead and Ink Distribution System
231	USA	6604810	Granted	Printhead Capping Arrangement
232	USA	6607263	Granted	Nozzle Chamber Having Reinforced Paddle
233	USA	6609786	Granted	Four Color Modular Printhead Assembly

Exhibit A, Page 7

	Country	Official No.	Case Status	Title
234	USA	6609787	Granted	Ink Supply Device for a Four Color Modular Printhead
235	USA	6612110	Granted	Mechanical Bend Actuator
236	USA	6612240	Granted	Drying of an Image on Print Media in a Modular Commercial Printer
237	USA	6612687	Granted	Moving Nozzle Ink Jet Printing Mechanism
238	USA	6616271	Granted	Adhesive Based Ink Jet Printhead Assembly
239	USA	6622923	Granted	Data Package Template with Data Embedding
240	USA	6623101	Granted	Moving Nozzle Ink Jet
241	USA	6623106	Granted	Overlappin Printhead Module Array Configuration
242	USA	6623108	Granted	Inkjet Printhead Having Thermal Bend Actuator Heating Element Electrically Isolated from Nozzle Chamber Ink
243	USA	6625874	Granted	Method of making a Thermal Bend Actuator
244	USA	6626515	Granted	Closure Mechanism for a Printhead
245	USA	6628430	Granted	Hand Held Mobile Phone with Integral Internal Printer
246	USA	6631986	Granted	Printer Transport Roller with Internal Drive Motor
247	USA	6634735	Granted	Temperature Regulation of Fluid Ejection Printheads
248	USA	6641253	Granted	Printhead Support Assembly
249	USA	6641255	Granted	Ink Jet Printhead that Incorporates Through-chip Ink Flow Control
250	USA	6641256	Granted	Printhead Chip that Incorporates Rectilinear Ink Ejection Components
251	USA	6641315	Granted	Keyboard
252	USA	6644767	Granted	Ejection of ink using pulsating pressure and a movable shutter
253	USA	6644771	Granted	Printing Cartridge with Radio Frequency Identification
254	USA	6644781	Granted	Printhead Assembly Having Printhead Modules in a Channel
255	USA	6644787	Granted	Ink Jet Printhead that Includes Coiled Actuators
256	USA	6644793	Granted	Fluid Supply Arrangment for a Micro-Electromechanical Device
257	USA	6648453	Granted	Ink Jet Printhead Chip with Predetermined Micro-Electromechanical System Height
258	USA	6652052	Granted	Processing of Images for High Volume Pagewidth Printing
259	USA	6652071	Granted	Thermal Expansion Compensation for Modular Printhead Assembly
260	USA	6652074	Granted	Ink Jet Nozzle Assembly Including Displaceable Ink Pusher
261	USA	6652078	Granted	Ink Supply Arrangement for a Printer
262	USA	6652082	Granted	Printhead Assembly for an Ink Jet Printer
263	USA	6652089	Granted	Duplex inkjet printing system
264	USA	6652090	Granted	Recess Mountable Printing System
265	USA	6654144	Granted	Multi-Threshold Dither Unit
266	USA	6655786	Granted	Mounting of Printhead Support Member of Six Color Inkjet Modular Printhead
267	USA	6659590	Granted	Thermal Expansion Compensation for Modular Printhead Assemblies
268	USA	6659593	Granted	INK JET EJECTOR
269	USA	6663225	Granted	Fluid Ejecting Device Having a Laminated Thermal Bend Actuator

Exhibit A, Page 8

	Country	Official No.	Case Status	Title
270	USA	6665094	Granted	Page Delivery Architecture
271	USA	6666543	Granted	Printhead Chip that Incorporates Covering Formations for Actuators of the Printhead Chip
272	USA	6666544	Granted	Symmetrically Actuated Fluid Ejection Components for a Fluid Ejection Chip
273	USA	6669332	Granted	Printhead Chip Having a Plurality of Nozzle Arrangements that each Incorporate a Motion Transmitting Structure
274	USA	6669333	Granted	Stacked Heater Elements in a Thermal Ink Jet Printhead
275	USA	6669334	Granted	Thermal Ink Jet Printhead with Cavitation Gap
276	USA	6672706	Granted	Wide Format Pagewidth Inkjet Printer
277	USA	6672707	Granted	Manually Aligned Printhead Modules
278	USA	6672708	Granted	An Ink Jet Nozzle Having an Actuator Mechanism Located about an Ejection Port
279	USA	6672709	Granted	Self-Cooling Thermal Ink Jet Printhead
280	USA	6672710	Granted	Thermal Ink Jet Printhead with Symmetric Bubble Formation
281	USA	6676245	Granted	Thermal Expansion Compensation for Printhead Assemblies
282	USA	6676250	Granted	An Ink Supply Assembly for a Print Engine
283	USA	6679584	Granted	High volume pagewidth printing
284	USA	6682174	Granted	Ink Jet Nozzle Arrangement Configuration
285	USA	6682176	Granted	Ink jet printhead chip with nozzle arrangements incorporating spaced actuating arms
286	USA	6684503	Granted	Method of Manufacturing a Four Color Modular Printer
287	USA	6687022	Granted	Multiple Simultaneous Access
288	USA	6688719	Granted	Thermoelastic Inkjet Actuator with Heat Conductive Pathways
289	USA	6692108	Granted	High Efficiency Thermal Inkjet Printhead
290	USA	6692113	Granted	Printhead Module Assembly
291	USA	6698867	Granted	Inkjet Printhead Having Overlapping Actuator and Drive Circuitry
292	USA	6702417	Granted	A Printing Cartridge with Capacitive Sensor Identification
293	USA	6736489	Granted	Thermal Ink Jet Printhead with Low Heater Mass
294	USA	6739701	Granted	Modular Printhead Mounting
295	USA	6742871	Granted	Printhead Assembly Having Flexible Printed Circuit Board and Busbars
296	USA	6742873	Granted	Inkjet Printhead Construction
297	USA	6745331	Granted	An Authentication Chip with Protection from Power Supply Attacks
298	USA	6746105	Granted	Thermally Actuated Ink Jet Printing Mechanism Having a Series of Thermal Actuator Units
299	USA	6747760	Granted	Print Engine Controller for a Multi-Segment Printhead
300	USA	6752549	Granted	A Print Engine for a Modular Commercial Printer
301	USA	6755509	Granted	Thermal Ink Jet Printhead with Suspended Beam Heater
302	USA	6755513	Granted	Printhead Support Structure and Assembly
303	USA	6757832	Granted	Unauthorised Modification of Values Stored in Flash Memory
304	USA	6764166	Granted	Ejecting Ink Using Shape Memory Alloys
305	USA	6767076	Granted	Printhead Assembly Capping Device
306	USA	6767077	Granted	Ink Jet Printhead that includes Nozzle-Clearing Mechanisms

Exhibit A, Page 9

	Country	Official No.	Case Status	Title
307	USA	6776476	Granted	Ink Jet Printhead Chip with Active and Passive Nozzle Chamber Structures
308	USA	6783216	Granted	Ink Supply Assembly for Supplying Ink to an Elongate Printhead
309	USA	6783217	Granted	Micro-Electromechanical Valve Assembly
310	USA	6786043	Granted	Integrated Circuit Fluid Ejection Device
311	USA	6786570	Granted	Ink Supply Arrangement for a Printing Mechanism of a Wide Format Pagewidth Inkjet Printer
312	USA	6786573	Granted	Thermal Bend Actuator and Control Circuitry for a Micro-Electromechanical Device
313	USA	6786574	Granted	Micro-Electromechanical Fluid Ejection Device Having a Chamber that is Volumetrically Altered Fluid Ejection
314	USA	6786658	Granted	Printer for Accomodating Varying Page Thicknesses
315	USA	6786661	Granted	Keyboard that Incorporates a Printing Mechanism
316	USA	6787051	Granted	A Method of Manufacturing a Micro-Electromechanical Fluid Electing Device
317	USA	6789881	Granted	Manually Aligned Printhead Modules
318	USA	6792754	Granted	Integrated Circuit Device for Fluid Ejection
319	USA	6793323	Granted	Thermal Expansion Compensation for Modular Printhead Assembly
320	USA	6793974	Granted	Selecting a Material for Use as the Expansive Element
321	USA	6795215	Granted	Print Engine/Controller and Printhead Interface Chip
322	USA	6796651	Granted	Incorporating The Engine/Controller
323	USA	6796731	Granted	Ink Cartridge for an Inkjet Printer
324	USA	6799828	Granted	Laminated Ink Distribution Assembly for a Printer
325	USA	6799835	Granted	An Inert Gas Supply Arrangement for a Printer
326	USA	6799836	Granted	Inkjet Printhead Chip Having Drive Circuitry for Pre-Heating Ink
327	USA	6802587	Granted	Printhead Assembly with core and Shell
328	USA	6802592	Granted	Micro Electro-Mechanical Device Having an Integrated Movement Sensor
329	USA	6802594	Granted	Manually Aligned Printhead Modules
330	USA	6803989	Granted	System for aligning a plurality of printhead modules
331	USA	6804026	Granted	Image Printing Apparatus Including a Microcontroller
332	USA	6805049	Granted	Color Conversion Method For Compact Printer System
333	USA	6805419	Granted	Drying of an Image on Print Media in a Commercial Printer
334	USA	6805435	Granted	Print engine/controller to color mask
335	USA	6808253	Granted	Printhead Assembly with an Ink Distribution Arrangement
336	USA	6808325	Granted	Operating a Page Width Ink Jet Printhead
337	USA	6811242	Granted	Keyboard with an Internal Printer
338	USA	6814429	Granted	Fault Detectio In A Micro Mechanical Device
339	USA	6816968	Granted	Ink Jet Printhead Incorporating a Backflow Prevention Mechanism
340	USA	6817700	Granted	Consumable Authentication Protocol and System
341	USA	6820871	Granted	Integral Print Head Module Adjustment System
				A Printer for Printing on Porous Sheets of Media Fed from a

Exhibit A, Page 10

	Country	Official No.	Case Status	Title
				Stack of Such Sheets
342	USA	6820967	Granted	Thermal Ink Jet Printhead with Heaters Formed from Low
343	USA	6820968	Granted	Atomic Numbers Elements
344	USA	6820974	Granted	A Fluid Dispensing Chip
345	USA	6824242	Granted	Inkjet Printer Incorporating a Media Tray Assembly
				Rotating Platen Member
346	USA	6824245	Granted	A Method of Assembling a Printhead Assembly Comprised of
347	USA	6824246	Granted	a Plurality of Printhead Modules
				Thermal Ink Jet with Thin Nozzle Plate
348	USA	6824251	Granted	Micro-Electromechanical Assembly that Incorporates a
				Covering Formation for a micro-electromechanical device
349	USA	6824252	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE
350	USA	6824257	Granted	HAVING A NOZZLE GUARD
351	USA	6827425	Granted	Ink supply system for a portable printer
352	USA	6827427	Granted	Liquid Ejection Device
353	USA	6827428	Granted	Core for Pagewidth Printhead
354	USA	6830315	Granted	Operating a Page Width Printhead to Print an Image
				Printhead Assembly Incorporating an Ink Supply Arrangement
355	USA	6830316	Granted	An ink jet printing mechanism that incorporates a shape
356	USA	6830318	Granted	memory alloy
357	USA	6830395	Granted	Thermal Ink Jet Printhead with Reduced Pressure Transients
				User Interface with Integrated Printing
358	USA	6832828	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE
				WITH CONTROL LOGIC CIRCUITRY
359	USA	6834932	Granted	Nozzle misalignment compensation in a drop on demand
				printhead
360	USA	6834939	Granted	Micro Electro-Mechanical Device That Incorporates Covering
361	USA	6837567	Granted	Formations for Actuators of the Device
				Nozzle Guard Alignment for Ink Jet Printhead
362	USA	6840600	Granted	Fluid Ejection Device that Incorporates Covering Formations
363	USA	6843545	Granted	for Actuators of the Fluid Ejection
364	USA	6843551	Granted	Determining the Volume of Ink in a Printer Reservoir
365	USA	6846059	Granted	Array of Abutting Print Chips in a Pagewidth Printhead
				Ink Jet Printhead Assembly
366	USA	6848181	Granted	A Method of Constricting an Inkjet Printhead with a Large
				Number of Nozzles
367	USA	6848686	Granted	A PRINTING ASSEMBLY FOR PRINTING ON SHEETS OF MEDIA
				FROM A STACK
368	USA	6848780	Granted	A PRINTING MECHANISM FOR A WIDE FORMAT PAGEWIDTH
				INKJET PRINTER
369	USA	6851782	Granted	Method of an Apparatus for Adjusting the Duration of
370	USA	6854825	Granted	Printing Pulses
371	USA	6854827	Granted	Printed Media Production
				Printer and Printhead with Active Debris Prevention
372	USA	6855264	Granted	Method of Manufacture of an Ink Jet Printer Having a
373	USA	6857571	Granted	Thermal Actuator Comprising an External Coil Spring
				Method for Surface Printing

Exhibit A, Page 11

	Country	Official No.	Case Status	Title
374	USA	6857719	Granted	Printing Cartridge with Pressure Sensor Array Identification
375	USA	6857724	Granted	Print Assembly for a Wide Format Pagemwidth Printer
376	USA	6857726	Granted	Printer Firing Sequence A PAGEWIDTH PRINthead CHIP HAVING SYMMETRICALLY ACTUATED FLUID EJECTION COMPONENTS
377	USA	6857728	Granted	A MICRO-ELECTROMECHANICAL DRIVE MECHANISM
378	USA	6857729	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION
379	USA	6857730	Granted	Print Engine/Controller with Color Mask
380	USA	6859289	Granted	An Integrated Circuit Device Having Electrothermal Actuators
381	USA	6860107	Granted	A Printhead Module with a Fluid Supply and Valve to Close the Fluid Supply
382	USA	6860581	Granted	A PRINthead CONFIGURATION INCORPORATING A NOZZLE ARRANGEMENT LAYOUT
383	USA	6860590	Granted	Printer with Printhead Close to the Media
384	USA	6860664	Granted	A Printer that Incorporates a Binding Apparatus for Binding Sheets
385	USA	6863105	Granted	Thermoelastic Inkjet Actuator with Heat Conductive Pathways
386	USA	6863365	Granted	Four Color Modular Printhead System
387	USA	6863369	Granted	An iInkjet Printer Having Enclosed Actuator
388	USA	6863378	Granted	Ink Jet Printhead That Includes Nozzles Having Pressure- Enhancing Formations
389	USA	6863379	Granted	Printer with Inkjet Printhead Having Overlapping Actuator and Drive Circuitry
390	USA	6866369	Granted	Printer Assembly Having Flexible Ink Channel Extrusion Method of Manufacture of a Gear Driven Shutter Ink Jet Printer
391	USA	6866373	Granted	SUPPORTING STRUCTURE FOR A PAGEWIDTH PRINthead
392	USA	6866789	Granted	Printhead Assembly Having Two Sets of Fluid Inlets
393	USA	6869167	Granted	Printhead Structure
394	USA	6869172	Granted	Ink Jet Printhead Assembly And Method Of Assembling Same
395	USA	6871937	Granted	An Ink Jet Nozzle Having an Actuator Mechanism with a Movable Member Controlled by Two Actuators
396	USA	6871938	Granted	Nozzle Guard for an Ink jet Printhead
397	USA	6874866	Granted	A Printer Ink Capping Mechanism
398	USA	6874868	Granted	A Method of Fabricating a Printhead with Nozzle Protection
399	USA	6877834	Granted	INKJET PAGEWIDTH PRINTER FOR HIGH VOLUME PAGEWIDTH PRINTING
400	USA	6878299	Granted	A MICRO-ELECTROMECHANICAL DEVICE THAT INCORPORATES A MOTION-TRANSMITTING STRUCTURE
401	USA	6880914	Granted	Supply Mechanism for an Inkjet Printhead
402	USA	6880918	Granted	Page Transfer
403	USA	6880922	Granted	Compact Inkjet Printer For Portable Electronic Devices
404	USA	6883890	Granted	Supply Mechanism for an Inkjet Printhead
405	USA	6883906	Granted	Inkjet Printhead Nozzle with Ribbed Wall Actuator
406	USA	6886915	Granted	Ink Jet Printhead with Movable Ejection Nozzle
407	USA	6886917	Granted	Under Actuation Detection In A Micro Electromechanical
408	USA	6886918	Granted	
409	USA	6890052	Granted	

Exhibit A, Page 12

	Country	Official No.	Case Status	Title
				Device
410	USA	6890059	Granted	Inkjet Printhead Assembly with Grouped Nozzle Layout
411	USA	6893109	Granted	Printhead Capping Arrangement
412	USA	6894810	Granted	Up Tables for Compact Printer System
413	USA	6896358	Granted	Fluidic seal for an ink jet nozzle assembly
414	USA	6896362	Granted	Pagewidth inkjet printheads with defect tables
415	USA	6899415	Granted	An Inkjet Nozzle having an Actuator Mechanism Comprised of Multiple Actuators
416	USA	6899416	Granted	Inkjet Printhead Substrate With Crosstalk Damping
417	USA	6899420	Granted	PRINTING SYSTEM WITH COMPACT PRINT ENGINE
418	USA	6899480	Granted	Close Coupled Printhead and Media Rollers
419	USA	6902255	Granted	Inkjet Printers
420	USA	6904678	Granted	Printhead Assembly Having Printhead Modules in a Channel
421	USA	6905194	Granted	Method Of Assembling An Inkjet Printhead Assembly
422	USA	6905195	Granted	Inkjet Nozzle Arrangement Within Small Printhead Substrate Area
423	USA	6905620	Granted	METHOD OF FABRICATING A MICRO-ELECTROMECHANICAL DEVICE HAVING A LAMINATED ACTUATOR
424	USA	6910755	Granted	A Micro-Electromechanical Fluid Ejection Device Having An Integrated Movement Sensor
425	USA	6912067	Granted	Dither Volume with Multiple Thresholds for Each Cell
426	USA	6913344	Granted	Printhead Assembly
427	USA	6913346	Granted	Inkjet Printer with Contractable Chamber
428	USA	6913347	Granted	Inkjet Printhead Chip With Trace Orientation To Enhance Performance Characteristics
429	USA	6915140	Granted	Hand held mobile phone with integral internal printer with print media supply
430	USA	6916082	Granted	PRINTING MECHANISM FOR A WIDE FORMAT PAGEWIDTH INKJET PRINTER
431	USA	6916087	Granted	Thermal Bend Actuated Inkjet With Pre-Heat Mode
432	USA	6916091	Granted	Ink Chamber Suitable For An Ink Supply System In A Portable Printer
433	USA	6918647	Granted	An Inkjet Printhead Assembly Having A Rotary Platen Assembly
434	USA	6918649	Granted	A Pagewidth Printhead Assembly Including Capping Devices that Have Movement in Two Perpendicular Directions
435	USA	6918652	Granted	PRINTHEAD ASSEMBLY INCORPORATING MICROMOLDINGS
436	USA	6918654	Granted	Ink Distribution Assembly for an Ink Jet Printhead
437	USA	6918655	Granted	Inkjet Printhead Construction
438	USA	6918665	Granted	PRINTING SYSTEM WITH COMPACT TRANSFER ROLLER
439	USA	6918707	Granted	Keyboard Printer Print Media Transport Assembly
440	USA	6920704	Granted	Drying Method for a Printer
441	USA	6921144	Granted	Drop Firing Control in Multicolor Ink Jet Printheads
442	USA	6921145	Granted	Our Actuation Detection In A Micro Electromechanical Device
443	USA	6921150	Granted	Inkjet Printhead Chip With Densely Packed Nozzles
444	USA	6921153	Granted	Liquid Displacement Assembly Including a Fluidic Sealing

Exhibit A, Page 13

	Country	Official No.	Case Status	Title
				Structure
445	USA	6921154	Granted	Printhead with Nozzle Guard Alignment
446	USA	6921221	Granted	Combination Keyboard And Printer Apparatus
447	USA	6923526	Granted	Inkjet Printhead Apparatus
448	USA	6923527	Granted	Integrated Circuit Device For Ink Ejection
449	USA	6923583	Granted	Computer Keyboard With Integral Printer
450	USA	6924907	Granted	Compact Color Printer Module
451	USA	6925935	Granted	Gas Supply to a Printhead Chip
452	USA	6926455	Granted	Continuous Media Printer Including Memory For Buffering Pages
453	USA	6927786	Granted	INK JET NOZZLE WITH THERMALLY OPERABLE LINEAR EXPANSION ACTUATION MECHANISM
454	USA	6929345	Granted	Testing For Correct Operation Of Micro Electromechanical Device
455	USA	6929348	Granted	Printhead Incorporating Nozzle Assembly Containment
456	USA	6929350	Granted	Method Of Fabricating Nozzle Arrangements For An Inkjet Printhead Chip
457	USA	6929351	Granted	Printhead module with one or more resilient mountings
458	USA	6929352	Granted	An Inkjet Printhead Chip for Use with a Pulsating Pressure ink Supply
459	USA	6932459	Granted	Ink Jet Printhead
460	USA	6935718	Granted	Support Member For A Printhead
461	USA	6935724	Granted	INK JET NOZZLE HAVING ACTUTOR WITH ANCHOR POSITIONED BETWEEN NOZZLE CHAMBER AND ACTUATOR CONNECTION POINT
462	USA	6935725	Granted	Microelectromechanical Fluid Ejection Device
463	USA	6935736	Granted	Printhead Assembly Arranged Within A Media Tray Assembly
464	USA	6938983	Granted	Support Member With Core And Shell
465	USA	6938989	Granted	Power Distribution for Inkjet Printheads
466	USA	6938990	Granted	Fluid Ejection Actuator For Multiple Nozzles Of A Printhead
467	USA	6938991	Granted	Thermal Bend Actuator With Spatial Thermal Pattern
468	USA	6938992	Granted	Nozzle Arrangement With An Electrically Heated Actuator
469	USA	6938994	Granted	Method Of Operating An Ink Jet Printhead Within A Predetermined Temperature Range
470	USA	6942315	Granted	Inkjet Printhead Having Nozzle Guard With Formations For Proper Alignment
471	USA	6942319	Granted	Stable Printhead Assembly
472	USA	6944970	Granted	In-Line Dryer for a Printer
473	USA	6945630	Granted	Inkjet Printhead with Moveable Shutters
474	USA	6947173	Granted	INKDROP PRINTER WITH MULTI-SEGMENT PRINthead
475	USA	6948799	Granted	Micro-Electromechanical Fluid Sjecting Device That Incorporates A Covering Formation For A Micro-Electromechanical Actuator
476	USA	6948870	Granted	Print Media Loading Mechanism For A Printer
477	USA	6953235	Granted	Printing Cartridge with a Data-Carrying Integrated Circuit Device

Exhibit A, Page 14

	Country	Official No.	Case Status	Title
478	USA	6953236	Granted	Residue Removal from Nozzle Guard for Ink Jet Printhead
479	USA	6953295	Granted	Small Footprint Computer System
480	USA	6954254	Granted	Printing Cartridge With Ink And Print Media Supplies
481	USA	6954276	Granted	Digital printing system
482	USA	6955414	Granted	Inkjet Collimator
483	USA	6955424	Granted	Printhead Assembly With Ink Chamber Defining Structures
484	USA	6955428	Granted	Ink Supply For Printer In Portable Electronic Device
485	USA	6958826	Granted	Controller for A Printer Module
486	USA	6959974	Granted	Pagewidth Printhead Assembly
487	USA	6959975	Granted	Printhead Assembly For A Pagewidth Printer
488	USA	6959981	Granted	Inkjet Printhead Nozzle Having Wall Actuator
489	USA	6959982	Granted	Flexible Wall Driven Inkjet Printhead Nozzle
490	USA	6959983	Granted	Printer With Microelectromechanical Printhead Having Electro-Thermal Actuators Incorporating Heatsinks INKJET PRINTHEAD WITH INK SUPPLY PASSAGE FORMED FROM BOTH SIDES OF THE WAFER BY OVERLAPPING ETCHES
491	USA	6962402	Granted	
492	USA	6962409	Granted	Ink Filing Arrangement For Elongate Printhead
493	USA	6962410	Granted	Ink Supply Device
494	USA	6964533	Granted	Printing Zone with Closely Located Printhead and Media Method of Fabricating a Micro-Electromechanical Device
495	USA	6966111	Granted	Using Organic Sacrificial Layers
496	USA	6966625	Granted	Printing Mechanism With A Rotating Platen Assembly
497	USA	6966628	Granted	Printhead Assembly Having Printhead Modules in a Channel INK JET PRINTHEAD CHIP HAVING AN ACTUATOR MECHANISMS LOCATED ABOUT EJECTION PORTS
498	USA	6966633	Granted	Elongate Printhead Assembly Including Multiple Fluid Supply Galleries
499	USA	6966636	Granted	
500	USA	6969139	Granted	Drop Size Control for a Printer A Method Of Detecting A Fault Condition In A Micro- Electromechanical Device
501	USA	6969142	Granted	
502	USA	6969143	Granted	Printhead Assembly Capping Device PRINTHEAD CAPPING MECHANISM WITH ROTARY PLATEN ASSEMBLY
503	USA	6969144	Granted	
504	USA	6969145	Granted	Flooded Nozzle Detection Modular Pagewidth Printhead Having Replaceable Printhead Modules
505	USA	6969150	Granted	Printhead Assembly Having Printhead Modules Fixed Along A Channel
506	USA	6969151	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE HAVING ACTUATOR MECHANISMS LOCATED ABOUT EJECTION PORTS
507	USA	6969153	Granted	Printhead Assembly With An Ink Supply And A Support Structure
508	USA	6969162	Granted	
509	USA	6969473	Granted	Manufacturing a Liquid Ejection Device
510	USA	6971313	Granted	Forced Drying of Printed Ink
511	USA	6971734	Granted	PRINTHEAD ASSEMBLY INCORPORATING AN ELASTOMERIC

Exhibit A, Page 15

	Country	Official No.	Case Status	Title
				FEED MEMBER
512	USA	6971811	Granted	Print Engine Having A Pair Of Feed Rollers And A Print Zone Proximal Thereto
513	USA	6974204	Granted	Laminated Ink Distribution Assembly for a Printer
514	USA	6974206	Granted	Method for producing a nozzle rim for a printer
515	USA	6974209	Granted	Thermal Ink Jet Printhead With Small Surface Area Heaters
516	USA	6974210	Granted	Thermal Ink Jet Printhead With Low Density Heaters
517	USA	6974212	Granted	Printing Assembly For An Inkjet Printer
518	USA	6976751	Granted	Motion Transmitting Structure
519	USA	6977751	Granted	Print Engine/Controller to work in Multiples and a Printhead Driven by Multiple Print Engine/Controllers
520	USA	6978613	Granted	Thermal bend actuator
521	USA	6979075	Granted	MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE HAVING NOZZLE CHAMBERS WITH DIVERGING WALLS
522	USA	6980323	Granted	PRINT ENGINE WITH PIPELINE DECODING
523	USA	6981757	Granted	Symmetric Ink Jet Apparatus
524	USA	6981809	Granted	Printing Path Having Closely Coupled Media Rollers and Printhead
525	USA	6982799	Granted	Creating Composite Page Images from Compressed Data
526	USA	6983595	Granted	Fluid Ejection Device
527	USA	6984016	Granted	A SELF-CLEANING INKJET PRINTHEAD ASSEMBLY
528	USA	6984017	Granted	Inkjet Printer Incorporating A Reel-To-Reel Flexible Capping Member
529	USA	6984019	Granted	Positionally Stable Array Of Abutting Integrated Chips On A Printhead
530	USA	6984021	Granted	LAMINATED SUPPORT STRUCTURE FOR SILICON PRINTHEAD MODULES
531	USA	6984022	Granted	SUPPORTING STRUCTURE WITH ALTERNATING SEGMENTS
532	USA	6984023	Granted	A Micro-Electromechanical Displacement Device
533	USA	6984080	Granted	LAMINATED DISTRIBUTION STRUCTURE
534	USA	6986202	Granted	Method Of Fabricating A Micro-Electromechanical Fluid Ejection Device
535	USA	6986560	Granted	PAGEWIDTH INKJET PRINTER HAVING BUFFERED PRINTING CONTROL
536	USA	6986562	Granted	A Printing Cartridge with Capacitive Sensors for Identification of Characteristics
537	USA	6986563	Granted	Printhead Assembly with Ink Path Defining Structure
538	USA	6986573	Granted	Ink Cartridge With Motive Means
539	USA	6986613	Granted	Keyboard
540	USA	6988784	Granted	Printhead Capping Arrangement
541	USA	6988785	Granted	A Print Head for a Pagewidth Printer Incorporating a Replicated Nozzle Arrangement Pattern
542	USA	6988787	Granted	An Ink Ejection Mechanism Having a Thermal Actuator that Undergoes Rectilinear Motion
543	USA	6988788	Granted	Ink Jet Printhead Chip With Planar Actuators
544	USA	6988789	Granted	Thermal Ink Ejection Actuator

Exhibit A, Page 16

	Country	Official No.	Case Status	Title
545	USA	6988790	Granted	COMPACT INKJET NOZZLE ARRANGEMENT
546	USA	6988840	Granted	PRINthead CHASSIS ASSEMBLY
547	USA	6988841	Granted	Pagewidth Printer That Includes A Computer Connectable Keyboard
548	USA	6988845	Granted	Modular Commercial Printer
549	USA	6991098	Granted	Consumer Tote for a Roll of Wallpaper
550	USA	6991310	Granted	Thermally Actuated Printhead Unit Having Inert Gas Operating Enviroment
551	USA	6991317	Granted	Pagewidth Printhead having Symmetrically Actuated Ink Ejection Components
552	USA	6991318	Granted	An Inkjet Printhead Device Having an Array of Inkjet Nozzles Arranged According to a Heirarchical Pattern
553	USA	6991320	Granted	Vent in a Micro Electro-Mechanical Device
554	USA	6991321	Granted	Printhead Chip That Incorporates A Nozzle Guard With Containment Structures
555	USA	6991322	Granted	INKJET PRINthead WITH LOW MASS DISPLACEMENT NOZZLE PRINT ENGINE/CONTROLLER WITH HALF-
556	USA	6992791	Granted	TONER/COMPOSITOR
557	USA	6994419	Granted	Multi-Function Printhead Platen
558	USA	6994420	Granted	Print Assembly For A Wide Format Pagewidth Inkjet Printer, Having A Plurality Of Printhead Chips
559	USA	6994421	Granted	Pagewidth Printhead Array With Abutting Print Chips
560	USA	6994424	Granted	Printhead Assembly Incorporating An Array Of Printhead Chips On An Ink Distribution Structure
561	USA	6994425	Granted	Ink Jet Printhead that Includes Tilt-Compensating Ink Ejection Ports
562	USA	6994426	Granted	Inkjet Printer Comprising MEMS Temperature Sensors
563	USA	6994430	Granted	Ink Supply System for a Printhead
564	USA	6995871	Granted	Color Conversion Method Using Buffer Storage For Compact Printer System
565	USA	6997534	Granted	Detecting Faults in a Micro Electro Mechanical Device Utilising a Single Current Pulse
566	USA	6997537	Granted	Method Of Detecting A Fault In A Micro-Electromechanical Device
567	USA	6997544	Granted	Printer Having An Inert Gas Supply Arrangement
568	USA	6997545	Granted	PRINthead ASSEMBLY INCORPORATING A CHANNEL MEMBER
569	USA	6997625	Granted	INK DISTRIBUTION ASSEMBLY
570	USA	6997626	Granted	Ink And Air Disribution Within A Printer Assembly
571	USA	6998062	Granted	Method of fabricating an ink jet nozzle arrangement
572	USA	6998278	Granted	A Method Of Fabricating A Micro-Electromechanical Actuator That Includes Drive Circuitry
573	USA	6999206	Granted	Hand Held Mobile Phone With Integral Internal Printer
574	USA	7001007	Granted	A Method of Ejecting Liquid from a Micro-Electromechanical Device
575	USA	7001008	Granted	Printhead Assembly For Inhibiting Particle Build-Up On Nozzles

Exhibit A, Page 17

	Country	Official No.	Case Status	Title
576	USA	7001011	Granted	Ink Ejector Nozzle Chamber with Fluid Deflection Printhead Chip Incorporating a Double Action Ink Ejection Mechanism
577	USA	7001012	Granted	
578	USA	7002664	Granted	Hybrid Digital Photofinishing System Pagewidth Inkjet Printhead Incorporating An Array Of Nozzle Arrangements
579	USA	7004563	Granted	Inkjet Printhead Chip That Incorporates Micro-Mechanical Lever Mechanisms
580	USA	7004566	Granted	
581	USA	7004567	Granted	Micro-Electromechanical Device With Built-In Fault Detection Printhead Chip Incorporating Double Action Shutter Mechanisms
582	USA	7004568	Granted	BAFFLE UNIT FOR AN INK SUPPLY SYSTEM IN A PORTABLE PRINTER
583	USA	7004577	Granted	
584	USA	7004652	Granted	Printer for Accomodating Varying Page Thicknesses
585	USA	7007859	Granted	Method of Operating a Liquid Ejection Device INKJET PRINTHEAD ASSEMBLY HAVING INFRARED TAG CONTROL
586	USA	7008033	Granted	
587	USA	7008041	Granted	Printing Mechanism Having Elongate Modular Structure
588	USA	7008043	Granted	Levered Print Head Module Adjustment System Printhead Assembly Having Fleible Printed Circuit Board and Busbars
589	USA	7008044	Granted	
590	USA	7008046	Granted	A MICRO-ELECTROMECHANICAL LIQUID EJECTION DEVICE Printhead assembly with support shell for pagewidth printhead
591	USA	7010456	Granted	
592	USA	7011390	Granted	Printing Mechanism Having Wide Format Printing Zone
593	USA	7011393	Granted	Manually Alignment Mechanism For Printhead Modules
594	USA	7013641	Granted	A Micro-Electromechanical Device
595	USA	7014296	Granted	Printhead Receivingly Engageable within a Printer Inkjet Printhead Having Ink Feed Channels Configured for Minimizing Thermal Crosstalk
596	USA	7014298	Granted	
597	USA	7014785	Granted	Method of Fabricating Inkjet Nozzle
598	USA	7018016	Granted	Fluidic seal for an ink jet nozzle assembly Inkjet Printhead With Deep Reverse Etch In Integrated Circuit Wafer
599	USA	7018021	Granted	
600	USA	7018025	Granted	End Cap
601	USA	7018294	Granted	Entertainment Console with Integrated Printing
602	USA	7021740	Granted	Assembly for a Pagewidth Printhead Ink Jet Printhead Assembly With A Multi-Purpose Rotary Platen Assembly
603	USA	7021742	Granted	
604	USA	7021744	Granted	Printhead Assembly Having Nozzle Guard
605	USA	7021745	Granted	Ink Jet with Thin Nozzle Wall
606	USA	7021746	Granted	Ink Jet Curl Outwards Mechanism Method Of Removing A Blockage In A Micro Electromechanical Device
607	USA	7021747	Granted	
608	USA	7021843	Granted	Modular Print Engine Controllers A Method Of Fabricating An Ink Jet Printhead Chip With Differential Expansion Actuators
609	USA	7022250	Granted	

Exhibit A, Page 18

	Country	Official No.	Case Status	Title
610	USA	7023567	Granted	Compact Printer Module for an Imaging System
611	USA	7024995	Granted	Continuous media printer with downstream drying
612	USA	7025434	Granted	Half Toner And Compositor Circuit For A Printer
613	USA	7025436	Granted	METHOD OF DETECTING A BLOCKAGE WITHIN AN INKJET NOZZLE Printhead Assembly With Ink Distribution And Feed
614	USA	7025446	Granted	Structures Spanning A Pagewidth Modular Printhead Assembly Incorporating Ink Storage And
615	USA	7027080	Granted	Distribution Assemblies
616	USA	7027177	Granted	Digital printing system A Micro-Electromechanical Actuator With Control Logic
617	USA	7028474	Granted	Circuitry
618	USA	7029097	Granted	Pagewidth Printhead Assembly Pagewidth Inkjet Printhead Comprising A Plurality Of
619	USA	7029098	Granted	Continuous Printhead Modules
620	USA	7029100	Granted	Stable Support Arrangement For Printhead
621	USA	7032992	Granted	Inkjet Printer Using Meniscus Rim In Nozzle Chamber Printhead Assembly Comprising Printhead Modules Arranged
622	USA	7032993	Granted	in a Channel Printer Having Modular Printhead Assembly With Flexible PCB
623	USA	7032995	Granted	And Busbars
624	USA	7032996	Granted	Printhead Assembly With Electrical Connection Arrangement
625	USA	7032997	Granted	Mirco-Electromechanical Actuator That Includes Drive Circuitry
626	USA	7032998	Granted	Ink Jet Printhead Chip That Incorporates Through-Wafer Ink Ejection Mechanisms Rectilinear Actuated Micro-Electromechanical Fluid Ejection
627	USA	7032999	Granted	Nozzle
628	USA	7033008	Granted	Ink Reservoir For Printhead Chip Pagewidth Printer Having Modular Printhead Assembly With
629	USA	7036911	Granted	Flexible PCB And Busbars Printhead Chip Having Actuators With Enhanced Strutural
630	USA	7036912	Granted	Integrity
631	USA	7038809	Granted	PRINT ENGINE/CONTROLLER WITH PRINTHEAD INTERFACE Modular Printhead Assembly With Thermal Expansion
632	USA	7040736	Granted	Compensation Printhead Chip That Incorporates Micro-Mecahnical
633	USA	7040738	Granted	Translating Mechanisms Printing and Display Device Incorporating a Data Connection
634	USA	7040823	Granted	Hub Printer Having a Rotary Platen Assembly for Supporting Print
635	USA	7044577	Granted	Media
636	USA	7044584	Granted	Wide Format Pagewidth Inkjet Printer Method Of Generating Halftone Print Data For Overlapping
637	USA	7044585	Granted	End Portions Of Printhead Chips
638	USA	7044589	Granted	Printing Cartridge with Barcode Identification
639	USA	7048352	Granted	PRINTHEAD SUPPORTING SHELL
640	USA	7048868	Granted	Method of Fabricating Micro-Electromechanical Inkjet Nozzle

Exhibit A, Page 19

	Country	Official No.	Case Status	Title
641	USA	7052103	Granted	A Printing Device for Use with a Printing Cartridge Having Capacitive Sensor Identification
642	USA	7052113	Granted	INKJET PRINTHEAD COMPRISING PRINTHEAD INTEGRATED CIRCUITS
643	USA	7052114	Granted	Fabrication of a printhead chip incorporating a plurality of nozzle arrangements
644	USA	7052120	Granted	INK CHAMBER FOR AN INK SUPPLY SYSTEM
645	USA	7055927	Granted	A Method of Identifying Printing Cartridge Characteristics with Capacitive Sensors
646	USA	7055930	Granted	Air Supply Arrangement for a Printer
647	USA	7055933	Granted	MEMS Device Having Formations For Covering Actuators Of The Device
648	USA	7055934	Granted	INKJET NOZZLE COMPRISING A MOTION-TRANSMITTING STRUCTURE
649	USA	7055935	Granted	Ink ejection devices within an inkjet printer
650	USA	7055940	Granted	Pagewidth Printhead Assembly With A Thermal Equalization Structure
651	USA	7055947	Granted	Printhead Transfer Roller Arrangement
652	USA	7056038	Granted	Media printer for continuous printing of different documents
653	USA	7057758	Granted	Color Printer Module Controller
654	USA	7057759	Granted	Simultaneously Prints on Both Surfaces of a Sheet of Print Media
655	USA	7057760	Granted	A Printer Controller for a Colour Printer
656	USA	7059695	Granted	Printer Engine For A Pagewidth Inkjet Printer
657	USA	7059704	Granted	Printhead Capper Frictionally Engaged to Drive
658	USA	7059706	Granted	COMPOSITE SUPPORT BEAM FOR PRINTHEAD ASSEMBLY
659	USA	7061643	Granted	Controller for a Printer Module
660	USA	7061644	Granted	Digital printing system
661	USA	7063404	Granted	Film for Use Between Two Objects
662	USA	7063408	Granted	Print Media And Ink Supply Cartridge
663	USA	7064867	Granted	Graphics Imaging Method
664	USA	7064873	Granted	Digital printing system
665	USA	7065247	Granted	An Apparatus for a Method of Graphics Imaging
666	USA	7066573	Granted	Printhead Assembly With Relative Thermal Expansion Inhibition
667	USA	7066574	Granted	MICRO-ELECTROMECHANICAL DEVICE HAVING A LAMINATED THERMAL BEND ACTUATOR
668	USA	7066575	Granted	Micro-Electromechanical Fluid Ejection Device Having A Buckle-Resistant Actuator
669	USA	7066576	Granted	Micro-Electromechanical Drive Mechanism Arranged To Effect Rectilinear Movement Of Working Member
670	USA	7066577	Granted	Pressure Enhancing Formations in an Ink Jet Printhead
671	USA	7066578	Granted	INKJET PRINTHEAD HAVING COMPACT INKJET NOZZLES
672	USA	7066579	Granted	Inkjet Printhead Integrated Circuit Having An Array Of Inkjet Nozzles
673	USA	7066580	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS

Exhibit A, Page 20

	Country	Official No.	Case Status	Title
674	USA	7066588	Granted	Print Engine Assembly
675	USA	7067067	Granted	Method of Fabricating an Ink Jet Printhead Chip with Active and Passive Nozzle Chamber Structures
676	USA	7068394	Granted	Effects Processor for Compact Printer
677	USA	7070098	Granted	Printed Page Tag Encoder
678	USA	7070251	Granted	Method of Adjusting the Duration of Printing Pulses
679	USA	7070256	Granted	Ink Supply Arrangement for a Portable Ink
680	USA	7070257	Granted	Double-Sided Printer
681	USA	7070258	Granted	Printhead and Ink Supply Arrangement
682	USA	7070265	Granted	Adhesive-based ink jet printhead assembly
683	USA	7070270	Granted	Printer Cartridge with Media Transport Mechanism
684	USA	7072076	Granted	A Printing Method Using PC Rendering
685	USA	7073881	Granted	Temperature control in printheads having thermal actuators
686	USA	7073892	Granted	Printhead Chip With Nozzle-Clearing Structures
687	USA	7075677	Granted	Ink Jet Fault Tolerance Using Oversize Drops
688	USA	7075684	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And A Receptacle Having An Interface That Enables Authentication Of The Printing Mechanism
689	USA	7076872	Granted	Method of assembly of a printhead with modules in a channel
690	USA	7077490	Granted	Micro-Electromechanical Actuator Assembly With Heat Conductive Pathways
691	USA	7077493	Granted	INKJET PRINTHEAD WITH INK CHAMBER INLET ETCHED INTO WAFER
692	USA	7077494	Granted	Printer Having a Fluid Capping Mechanism
693	USA	7077496	Granted	Mountable Print Engine Assembly Having Capping Mechanism
694	USA	7077497	Granted	Compact Printer with Capping Mechanism
695	USA	7077504	Granted	Printhead Assembly with Loaded Electrical Connections
696	USA	7077505	Granted	Printhead Assembly with Common Printhead Integrated Circuit and Print Engine Controller Power Input
697	USA	7077507	Granted	Micro-Electromechanical Liquid Ejection Device
698	USA	7077508	Granted	Micro-Electromechanical Liquid Ejection Device With A Thermal Actuator That Undergoes Rectilinear Motion
699	USA	7077515	Granted	Media Cartridge for Inkjet Printhead
700	USA	7077588	Granted	Printer And Keyboard Combination
701	USA	7077590	Granted	Printhead Assembly For Use Proximate A Drive Roller Nip
702	USA	7079286	Granted	Method of Graphics Imaging
703	USA	7079292	Granted	Modular Mobile Phone With Intergrated Printer
704	USA	7080893	Granted	Ink jet printhead having columnar arrays of transistor drive circuits
705	USA	7080894	Granted	Method of Assembling Printhead Module
706	USA	7080895	Granted	Inkjet Printhead Apparatus
707	USA	7081974	Granted	Handhed Mobile Communications Device With Integral Internal Printer Incorporating Capping Mechanism
708	USA	7083254	Granted	Capping device for a printer
709	USA	7083256	Granted	Ink Jet Printer with Closely Packed Nozzle Assemblies

Exhibit A, Page 21

	Country	Official No.	Case Status	Title
710	USA	7083257	Granted	Printhead Assembly with Sealed Fluid Delivery channels
711	USA	7083258	Granted	Printhead Assembly
712	USA	7083261	Granted	Printer Incorporating A Microelectromechanical Printhead Inkjet Printhead Chip With Improved Nozzle Arrangement
713	USA	7083262	Granted	Layout MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE WITH
714	USA	7083263	Granted	ACTUATOR GUIDE FORMATIONS Micro-Electromechanical Liquid Ejection Device With Motion
715	USA	7083264	Granted	Amplification
716	USA	7083271	Granted	Printhead Module with Laminated Fluid Distribution Stack
717	USA	7083272	Granted	Secure method of refilling an inkjet printer cartridge Inkjet printer cartridge with uniform compressed air
718	USA	7083273	Granted	distribution
719	USA	7083275	Granted	Modular Elongate Printer
720	USA	7084951	Granted	COMBINED MEDIA- AND INK- SUPPLY CARTRIDGE
721	USA	7085010	Granted	Staggered Dither Cell and Method for Generating Same
722	USA	7086644	Granted	Media Cartridge for a Low Power Printer PRINT ENGINE CONTROLLER FOR HIGH VOLUME PAGEWIDTH
723	USA	7086709	Granted	PRINTING INKJET PRINTHEAD ASSEMBLY WITH AN INK STORAGE AND
724	USA	7086717	Granted	DISTRIBUTION ASSEMBLY
725	USA	7086718	Granted	Thermal Ink Jet Printhead with High Nozzle Areal Density
726	USA	7086719	Granted	Inkjet Pinthead Heater With High Surface Area Micro-Electromechanical Fluid Ejection Device That
727	USA	7086720	Granted	Incorporates A Shape Memory Alloy Based Actuator
728	USA	7086721	Granted	Moveable Ejection Nozzles in an Inkjet Printhead
729	USA	7086724	Granted	Compact Media and Ink Cartridge for Inkjet Printhead PRINT ENGINE WITH A PRINTHEAD ASSEMBLY ARRANGED
730	USA	7086728	Granted	WITHIN A MEDIA TRAY ASSEMBLY PRINTING SYSTEM WITH OPPOSED PRINTHEAD ASSEMBLIES
731	USA	7088420	Granted	FOR DOUBLE-SIDE PRINTING THERMAL EXPANSION COMPENSATION FOR PRINTHEAD
732	USA	7090335	Granted	ASSEMBLY Printhead Assembly with Constrained Printhead Integrated
733	USA	7090336	Granted	Circuits
734	USA	7090337	Granted	Inkjet printhead comprising contractible nozzle chambers
735	USA	7092112	Granted	Ink Drop Printer With Print Engine Controller
736	USA	7092125	Granted	Method of Printing Using PC and Printer
737	USA	7092126	Granted	Method for Generating a Dither Image High Data Rate Printer Architecture and Method of Printing
738	USA	7092127	Granted	Using Same Handheld Mobile Communications Device with a Detachable
739	USA	7092130	Granted	Printing Mechanism
740	USA	7093139	Granted	Unauthorised modification of values stored in flash memory
741	USA	7093920	Granted	METHOD OF DETECTING OVER-ACTUATION OF MEM DEVICE Micro-Electromechanical Actuating Mechanism With Built-In
742	USA	7093921	Granted	Test Circuit

Exhibit A, Page 22

	Country	Official No.	Case Status	Title
743	USA	7093922	Granted	Printhead Blotting Assembly
744	USA	7093928	Granted	Printer with Printhead Having Moveable Ejection Port
745	USA	7093929	Granted	Modular Printhead Assembly With Respective Flexible Printed Circuit Boards Printer Comprising Two Uneven Printhead Modules And At Least Two Printer Controllers One Of Which Sends Print Data To The Other
746	USA	7093989	Granted	Thermoelastic Actuator Design
747	USA	7095309	Granted	CLOCK TRIM MECHANISM FOR ONBOARD SYSTEM CLOCK
748	USA	7096137	Granted	Pagewidth Printhead Assembly Including Capping Devices that Have Linear Movement
749	USA	7097273	Granted	PRINthead ASSEMBLY INCORPORATING ONE OR MORE PRINthead MODULES
750	USA	7097282	Granted	Ink Supply System with Breather Openings
751	USA	7097283	Granted	DOUBLE-ACTION MICRO-ELECTROMECHANICAL DEVICE
752	USA	7097284	Granted	Printhead Chip Incorporating Electro-Magnetically Operable Ink Ejection Mechanisms
753	USA	7097285	Granted	Inkjet printer cartridge with ink refill port having multiple ink couplings
754	USA	7097291	Granted	PRINthead ASSEMBLY WITH PRINthead MODULES
755	USA	7097292	Granted	Pagewidth Inkjet Printhead Assembly With Data And Power Supply Mounted On Ink Distribution Assembly
756	USA	7101020	Granted	INKJET PRINthead HAVING MULTIPLE-SECTIONED NOZZLE ACTUATORS
757	USA	7101023	Granted	PRINthead INTEGRATED CIRCUIT HAVING HEATER ELEMENTS WITH HIGH SURFACE AREA
758	USA	7101025	Granted	Printed Circuit Board with Spring Action
759	USA	7104629	Granted	Printhead Integrated Circuit Comprising Inkjet Nozzles Having Moveable Roof Actuators
760	USA	7104631	Granted	Printing Cartridge That Incorporates An Ink Supply With Closures For Piercing By A Printer
761	USA	7108343	Granted	PAGEWIDTH PRINTER HAVING A PRINTER CONTROLLER WITH PAGE EXPANSION AND CONTROL CIRCUITRY
762	USA	7108346	Granted	Printhead Assembly with Floating Components
763	USA	7108353	Granted	LOW VOLTAGE THERMAL INK JET PRINthead
764	USA	7108355	Granted	Thermal Ink Jet Printhead with Suspended Heater Element Spaced from Chamber Walls
765	USA	7108356	Granted	Method for Printing Wallpaper
766	USA	7108434	Granted	Battery and ink Charging stand for Mobile Communication Device Having an Internal Printer
767	USA	7108437	Granted	Printhead Controller Integrated Circuit
768	USA	7110139	Granted	Inkjet Printhead Having Thermal Bend Actuator Heating Element Electrically Isolated from Nozzle Chamber Ink
769	USA	7111924	Granted	Inkjet Printhead Integrated Circuit
770	USA	7111925	Granted	Thermal Ink Jet Printhead with Rotatable Heater Element
771	USA	7111926	Granted	Digital Photofinishing System Media Cartridge
772	USA	7111935	Granted	Printhead Assembly That Incorporates A Capping Device
773	USA	7114794	Granted	

Exhibit A, Page 23

	Country	Official No.	Case Status	Title
774	USA	7114796	Granted	Printhead Module Support
775	USA	7114868	Granted	Inkjet Printing Assembly With Multi-Purpose Platen Assembly
776	USA	7118186	Granted	Inkjet Printhead Feedback Processing Arrangement
777	USA	7118192	Granted	Printhead Assembly with Support for Print Engine Controller
778	USA	7118195	Granted	Inkjet Printhead Having Thermally Durable MEM Inkjet Array THERMAL INK JET PRINTHEAD WITH BUBBLE COLLAPSE POINT CLOSE TO NOZZLE APERTURE
779	USA	7118197	Granted	Thermal Ink Jet Printhead with Unintentional Boiling Prevention
780	USA	7118198	Granted	Thermal Ink Jet Printhead With Non-Buckling Heater Element
781	USA	7118201	Granted	Thermal Ink Jet Printhead with Drive Circuitry Offset From Heater Elements
782	USA	7118202	Granted	DATA RATE EQUALISATION TO ACCOUNT FOR RELATIVELY DIFFERENT PRINTHEAD WIDTHS
783	USA	7121639	Granted	Inkjet printer cartridge refill dispenser
784	USA	7121655	Granted	Firing Pulse Duration Control
785	USA	7125090	Granted	Micro-Electromechanical Fluid Ejection Device With Guided Actuator Movement
786	USA	7125102	Granted	FLUID EJECTION DEVICE WITH A THROUGH-CHIP MICRO- ELECTROMECHANICAL ACTUATOR
787	USA	7125103	Granted	Method of Assembling a Printhead Support Assembly
788	USA	7125106	Granted	Display Device Having Pagewidth Printer
789	USA	7125185	Granted	MEMS FLUID EJECTION DEVICE CONFIGURED FOR DETECTING A FAULT CONDITION
790	USA	7128093	Granted	Printer Controller With Printhead Feedback
791	USA	7128384	Granted	Printer With Capacitive Printer Cartridge Data Reader
792	USA	7128386	Granted	Residue Guard for Nozzle Groups of an Ink Jet Printhead
793	USA	7128388	Granted	Printhead Assembly that Incorporates a Printhead Module Retention Channel
794	USA	7128392	Granted	Printhead Assembly with Data and Power Board
795	USA	7128395	Granted	Mosular Printhead Assembly With Manually Adjustable Printhead Modules
796	USA	7128396	Granted	Ink Distribution Assembly for Page Width Ink Jet Printhead
797	USA	7128397	Granted	Alignment Mechanism For Printhead Modules Incorporating Elongate Printhead Integrated Circuits
798	USA	7128399	Granted	VERY HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
799	USA	7128400	Granted	Inkjet Printhead With Low Volume Ink Displacement
800	USA	7128402	Granted	Protection of Nozzle Structures in an Ink Jet Printhead
801	USA	7128845	Granted	Handheld Mobile Communications Device With Integral Internal Printer And Drive Means For Business Card Printing
802	USA	7130075	Granted	Printhead Chip That Incorporates Micro-Mechanical Lever Mechanisms
803	USA	7131715	Granted	PRINTHEAD INTEGRATED CIRCUIT HAVING INK EJECTING THERMAL ACTUATORS
804	USA	7131717	Granted	METHOD OF FABRICATING A FLUID EJECTION DEVICE USING A PLANARIZING STEP
805	USA	7132056	Granted	Printhead Assembly With Composite Support Beam For A
806	USA	7133799	Granted	

Exhibit A, Page 24

	Country	Official No.	Case Status	Title
				Pagewidth Printhead
807	USA	7134608	Granted	Inkjet Printhead With Reciprocating Actuator
808	USA	7134739	Granted	Print Engine With Air-Cleaned Printhead
809	USA	7134740	Granted	Pagewidth Inkjet Printhead Assembly With Actuator Drive Circuitry
810	USA	7134741	Granted	Ink Jet Printhead with Ink Ejection Direction Control
811	USA	7134743	Granted	Thermal Ink Jet Printhead with Heater Element Mounted to Opposing Sides of the Chamber
812	USA	7134744	Granted	Thermal Ink Jet Printhead with Heater Element that Forms Symmetrical Bubbles
813	USA	7134745	Granted	Thermal Ink Jet Printhead with Low Resistance Connection to Heater
814	USA	7136186	Granted	Handheld Mobile Communications Device With Integral Internal Printer And An Image Capture Device
815	USA	7136195	Granted	Fluid Capping Mechanism
816	USA	7136198	Granted	Handheld Mobile Communications Device with Integral Internal Printer
817	USA	7137686	Granted	Inkjet Printhead Having Inkjet Nozzle Arrangements Incorporating Lever Mechanisms
818	USA	7137699	Granted	COMPACT PRINTER WITH CARD DISPENSER
819	USA	7139091	Granted	PRINTER WITH SYNCHRONIZED ENGINE/CONTROLLER PRINthead ASSEMBLY WITH SIMILAR SUBSTRATE AND NOZZLE GUARD MATERIAL
820	USA	7140717	Granted	Inkjet Printer with a Pagewidth Printhead Assembly
821	USA	7140718	Granted	Actuator For A Micro-Electromechanical Value Assembly
822	USA	7140719	Granted	MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE HAVING ACTUATOR MECHANISMS LOCATED IN CHAMBER ROOF STRUCTURE
823	USA	7140720	Granted	
824	USA	7140722	Granted	Ink Supply System With Integrated Data and Power Supply
825	USA	7140726	Granted	PRINTING CARTRIDGE INCORPORATING PRINT MEDIA AND AN INTERNAL FEED MECHANISM
826	USA	7144095	Granted	Inkjet Printer Incorporating an Ink Transfer Roller
827	USA	7144098	Granted	Printer Having a Printhead with an Inkjet Printhead Chip for Use with a Pulsating Pressure Ink Supply
828	USA	7144519	Granted	Method of Fabricating an Inkjet Printhead Chip Having Laminated Actuators
829	USA	7145592	Granted	INK JET PRINthead ASSEMBLY WITH MODULAR PRINtheadS
830	USA	7145689	Granted	Handheld Mobile Communications Device With Integral Internal Printer Incorporating Media Slot And Drive Means
831	USA	7145696	Granted	Print Data Compression Method And Printer Driver
832	USA	7146281	Granted	Stackable Printer System
833	USA	7147102	Granted	Consumer Tote with Core
834	USA	7147297	Granted	Ink Jet Nozzle Arrangement That Incorporates A Movement Sensor
835	USA	7147302	Granted	Nozzle Assembly
836	USA	7147303	Granted	Inkjet Printing Device that Includes Nozzles with Volumetric Ink Ejection Mechanisms

Exhibit A, Page 25

	Country	Official No.	Case Status	Title
837	USA	7147304	Granted	Pagewidth Inkjet Printhead Assembly With Longitudinally Extending Sets Of Nozzles
838	USA	7147305	Granted	Printer Formed From Integrated Circuit Printhead
839	USA	7147306	Granted	Printhead Nozzle with Reduced Ink Inertia and Viscous Drag
840	USA	7147307	Granted	Printhead IC with Actuator Movement Parallel to Ink Inlet Flow
841	USA	7147308	Granted	THERMAL INK JET PRINthead WITH HEATER ELEMENTS SUPPORTED BY ELECTRODES
842	USA	7147791	Granted	Method of Fabricating an Inkjet Printhead Chip for Use with a Pulsating Pressure Ink Supply
843	USA	7147792	Granted	Method of Fabricating Inkjet Nozzle Chambers
844	USA	7148992	Granted	PRINT ENGINE/CONTROLLER CHIP WITH CPU
845	USA	7148993	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And A Dispenser Interface
846	USA	7148994	Granted	Elongate Compact Printer Module
847	USA	7150510	Granted	Print Engine Controller For An Inkjet Printhead Assembly Having Infrared Tag Control
848	USA	7152938	Granted	Method of Assembling Inkjet Printhead Having Aligned Printhead Segments
849	USA	7152939	Granted	Printing Cartridge with Switch Array Identification
850	USA	7152942	Granted	FIXATIVE COMPENSATION
851	USA	7152943	Granted	PRINthead ASSEMBLY COMPRISING INKJET PRINthead AND NOZZLE GUARD
852	USA	7152944	Granted	INK JET PRINthead ASSEMBLY WITH AN INK DISTRIBUTION MANIFOLD
853	USA	7152945	Granted	Printhead System having Closely Arranged Printhead Modules
854	USA	7152949	Granted	Wide-Format Print Engine With A Pagewidth Ink Reservoir Assembly
855	USA	7152955	Granted	PRINthead ASSEMBLY WITH MODULAR DETACHABLE PRINtheadS
856	USA	7152956	Granted	Inkjet Printhead Assembly With A Thermal Expansion Equalization Mechanism
857	USA	7152958	Granted	Thermal Ink Jet with Chemical Vapor Deposited Nozzle Plate Mounting and Supporting Arrangement for Printhead Assembly
858	USA	7152959	Granted	MICRO-ELECTROMECHANICAL VALVE HAVING TRANSFORMABLE VALVE ACTUATOR
859	USA	7152960	Granted	Inkjet Printhead Integrated Circuit With Rows Of Inkjet Nozzles
860	USA	7152961	Granted	Ink Jet Printhead Having a Moving Nozzle with an Externally Arranged Actuator
861	USA	7152962	Granted	Ink Chamber Having A Baffle Unit
862	USA	7152967	Granted	Combination Printer and Image Reader in L-Shaped Configuration
863	USA	7152972	Granted	Printer Cellular Phone
864	USA	7154626	Granted	Handheld Mobile Communications Device With An Image Sensor And A Detachable Printing Mechanism
865	USA	7154632	Granted	Dither Volume for Cell Location
866	USA	7154637	Granted	

Exhibit A, Page 26

	Country	Official No.	Case Status	Title
867	USA	7154638	Granted	Printed Page Tag Encoder
868	USA	7155823	Granted	Manufacturing Inkjet Printheads with Large Numbers of Nozzles
869	USA	7155911	Granted	THERMAL BEND ACTUATOR WITH CORRUGATE PROFILE
870	USA	7156484	Granted	Inkjet Printhead with CMOS Drive Circuitry Close to Ink Supply Passage
871	USA	7156489	Granted	Printhead Assembly with Clamped Printhead Integrated Circuits
872	USA	7156492	Granted	Modular Printhead Assembly With A Carrier Of A Metal Alloy
873	USA	7156494	Granted	Inkjet Printhead Chip With Volume-Reduction Actuation
874	USA	7156495	Granted	Ink Jet Printhead Having Nozzle Arrangement with Flexible Wall Actuator
875	USA	7156496	Granted	USE OF FLUIDIC SEAL IN A METHOD OF EJECTING INK FROM AN INKJET NOZZLE
876	USA	7156497	Granted	Modular Inkjet Printhead Incorporating a Casing With a Series of Printhead Modules
877	USA	7156498	Granted	Inkjet Nozzle that Incorporates Volume-Reduction Actuation
878	USA	7156508	Granted	Printhead Module for Printhead Assembly
879	USA	7156511	Granted	Inkjet printer cartridge with integral maintenance station
880	USA	7156512	Granted	Casing For An Ink Cartridge
881	USA	7158258	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And A Slot For Print Media
882	USA	7158809	Granted	Mobile Device with integral print apparatus and print media supply
883	USA	7159965	Granted	Wide Format Printer With A Plurality Of Printhead Integrated Circuits
884	USA	7159967	Granted	MICRO-ELECTROMECHANICAL LIQUID EJECTION DEVICE HAVING SYMMETRICALLY ACTUATED INK EJECTION COMPONENTS
885	USA	7159968	Granted	PRINTHEAD INTEGRATED CIRCUIT COMPRISING THERMAL BEND ACTUATOR
886	USA	7159972	Granted	Printhead Module Having Selectable Number of Fluid Channels
887	USA	7161715	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And Receptacle Having An Interface
888	USA	7163273	Granted	Printing Cartridge with Two Dimensional Code Identification
889	USA	7163276	Granted	Testing of a Micro-Electromechanical Device for Under Actuation
890	USA	7163287	Granted	Combined Cutter And Slitter Module For A Printer
891	USA	7163345	Granted	PRINTHEAD HAVING PRINTHEAD MODULES VERTICALLY OFFSET AT JOIN REGION
892	USA	7164501	Granted	Printer Controller Integrated Circuit
893	USA	7164505	Granted	Edge Delta Runlength Expander Unit For Bi-Level Graphics
894	USA	7165824	Granted	DEAD NOZZLE COMPENSATION
895	USA	7165834	Granted	Printhead Module with Fixedly Attached Printhead Tiles
896	USA	7168166	Granted	Method of Producing Inkjet Printhead with Lithographically Formed Nozzle Plate

Exhibit A, Page 27

	Country	Official No.	Case Status	Title
897	USA	7168167	Granted	Nozzles And Drive Circultry Fabrication Method
898	USA	7168654	Granted	Media Cartridge for Wallpaper Printer
899	USA	7168777	Granted	Feedback Arrangement For A Printer Having A Micro-Electromechanical Printhead
900	USA	7168789	Granted	Printer with Ink Printhead Nozzle Arrangement Having Thermal Bend Actuator
901	USA	7168790	Granted	Thermal Ink Jet Printhead with Small Nozzle Dimensions
902	USA	7168796	Granted	Printhead Assembly With Thermal Equalization Characteristics
903	USA	7169316	Granted	Method Of Manufacture Of An Ink Jet Printhead Having A Moving Nozzle With An Externally Arranged Actuator
904	USA	7171323	Granted	INTEGRATED CIRCUIT HAVING CLOCK TRIM CIRCUITRY
905	USA	7172265	Granted	Print Assembly For A Wide Format Printer
906	USA	7172266	Granted	PRINthead ASSEMBLY FOR A PAGEWIDTH INKJET PRINTER INCORPORATING AN INK STORAGE ASSEMBLY
907	USA	7172270	Granted	Thermal Ink Jet Printhead with Bubble Formation Surrounding Heater Element
908	USA	7173737	Granted	Method Of Colour Conversion For Use In A Compact Printer System
909	USA	7173739	Granted	PAGEWIDTH INKJET PRINTER HAVING COMPOSITE IMAGE PRINTING CONTROL
910	USA	7175256	Granted	Printhead Assembly
911	USA	7175260	Granted	Ink Jet Nozzle Arrangement Configuration
912	USA	7175261	Granted	Thermal Ink Jet Printhead Assembly with Laminated Structure for the Alignment and Funneling of Ink
913	USA	7175774	Granted	Method of Fabricating Inkjet Nozzles
914	USA	7175775	Granted	Method of Fabricating Printhead IC Using CTE Matched Wafer and Sacrificial Materials
915	USA	7175776	Granted	Method Of Fabricating A Micro-Electromechanical Device With A Thermal Actuator
916	USA	7177052	Granted	Dithered Image for Bi-Level Printing
917	USA	7177055	Granted	Handheld Mobile Communications Device With Integral Internal Printer Incorporating A Receptacle For An Ink Cartridge
918	USA	7178892	Granted	Printhead-to-Platen Variable Spacing Mechanism
919	USA	7178899	Granted	Printhead Integrated Circuit For A Pagewidth Inkjet Printhead
920	USA	7178901	Granted	Printhead Assembly with Dual Power Supply
921	USA	7178903	Granted	Ink jet Nozzle to Eject Ink
922	USA	7179395	Granted	METHOD OF FABRICATING AN INK JET PRINthead CHIP HAVING ACTUATOR MECHANISMS LOCATED ABOUT EJECTION PORTS
923	USA	7181572	Granted	CACHE UPDATING METHOD AND APPARATUS
924	USA	7182422	Granted	Printhead Having First And Second Rows Of Print Nozzles
925	USA	7182430	Granted	INK JET MODULE
926	USA	7182431	Granted	Nozzle Arrangement
927	USA	7182434	Granted	Inkjet Printhead Assembly Having Aligned Printhead Segments

Exhibit A, Page 28

	Country	Official No.	Case Status	Title
928	USA	7182435	Granted	Printhead Chip Incorporating Laterally Displaceable Ink Flow Control Mechanisms
929	USA	7182436	Granted	Ink Jet Printhead Chip with Volumetric Ink Ejection Mechanisms
930	USA	7182437	Granted	Inkjet Printhead Having Ink Flow Preventing Actuators
931	USA	7182439	Granted	Thermal Ink Jet Printhead with Heater Element Symmetrical About Nozzle Axis
932	USA	7182441	Granted	Printhead Module
933	USA	7185971	Granted	THERMAL EXPANSION RELIEVING SUPPORT FOR PRINTHEAD ASSEMBLY
934	USA	7186042	Granted	Wallpaper Printer
935	USA	7187468	Granted	Method For Ensuring Consistent Dot Size In An Inkjet Printhead
936	USA	7187469	Granted	PAGEWIDTH INKJET PRINTER WITH HIGH DATA RATE PRINTER ARCHITECTURE
937	USA	7187470	Granted	Print Engine Mechanism
938	USA	7188282	Granted	TAMPER RESISTANT SHADOW MEMORY
939	USA	7188419	Granted	Method of Producing Nozzle Plate Formed In-Situ On Printhead Substrate
940	USA	7188921	Granted	GENERATION OF PRINT DATA
941	USA	7188928	Granted	Printer Comprising Two Uneven Printhead Modules And At Least Two Printer Controllers One Of Which Sends Print Data to Both Of The Printhead Modules
942	USA	7188933	Granted	Printhead Chip That Incorporates Nozzle Chamber Reduction Mechanisms
943	USA	7188935	Granted	Printhead Wafer With Individual Ink Feed To Each Nozzle
944	USA	7188938	Granted	Ink jet Printhead Assembly Incorporating A Data and Power Connection Assembly
945	USA	7189334	Granted	PRINTHEAD FABRICATION METHOD
946	USA	7191978	Granted	Media Web Cartridge For A Printing System
947	USA	7192106	Granted	Print Engine/Controller For Driving An Inkjet Printhead
948	USA	7192119	Granted	Printhead Nozzle Arrangement With Micro-Electromechanical Shape Memory Alloy Based Actuators
949	USA	7192120	Granted	Ink Printhead Nozzle Arrangement with Thermal Bend Actuator
950	USA	7192125	Granted	INK JET PRINTER THAT INCORPORATES AN INK DISTRIBUTION ASSEMBLY
951	USA	7193482	Granted	Integrated Circuit With Tamper Detection Circuit
952	USA	7193743	Granted	Printer Driver Software Product With Edge Runlength Encoder
953	USA	7194629	Granted	Apparatus for Authenticating Memory Space of an Authorized Accessory
954	USA	7195328	Granted	Symmetric Nozzle Arrangement
955	USA	7195329	Granted	Feedback Arrangement For A Printer Having A Micro-Electromechanical Printhead
956	USA	7195336	Granted	High Volume Printing Assembly
957	USA	7195338	Granted	Inkjet Printhead Heater with High Surface Area

Exhibit A, Page 29

	Country	Official No.	Case Status	Title
958	USA	7195339	Granted	Ink Jet Nozzle Assembly With A Thermal Bend Actuator Thermal Ink Jet Printhead with Laterally Enclosed Heater Element
959	USA	7195342	Granted	
960	USA	7195412	Granted	ON-DEMAND WALLPAPER PRINTER HAVING DRYER
961	USA	7196814	Granted	Inkjet Printer Printhead Interface circuit
962	USA	7196820	Granted	Printer Controller for a Pagewidth Printhead
963	USA	7197642	Granted	Consumable Authentication Protocol And System
964	USA	7198346	Granted	Inkjet Printhead That Incorporates Feed Back Sense Lines
965	USA	7198352	Granted	Inkjet printer cradle with cartridge stabilising mechanism Printhead System with Common Electrical Connector for Power and Data Signals
966	USA	7198354	Granted	
967	USA	7198355	Granted	Printhead Assembly with Mounting Element for Power Input Symmetrically Actuated Ink Ejection Components For An Ink Jet Printhead Chip
968	USA	7198356	Granted	
969	USA	7201272	Granted	Consumer Tote for Wallpaper Printer Method and apparatus for compensation for time varying nozzle misalignment in a drop on demand printhead
970	USA	7201460	Granted	
971	USA	7201466	Granted	Capping Mechanism Driven By Paper Transport
972	USA	7201468	Granted	Inkjet printer cartridge with fixative delivery capabilities
973	USA	7201469	Granted	Printhead Assembly
974	USA	7201470	Granted	Inkjet printer cradle with compressed air delivery system
975	USA	7201471	Granted	MEMS Device With Movement Amplifying Actuator Inkjet Nozzle Having Fluidic Seal Between Ink Ejection Member And Stationary Member
976	USA	7201472	Granted	
977	USA	7201523	Granted	Print Engine For A Pagewidth Inkjet Printer
978	USA	7204580	Granted	System For Aligning A Plurality Of Printhead Modules Ink Jet Nozzle With Multiple Actuators For Reducing Chamber Volume
979	USA	7204582	Granted	
980	USA	7206098	Granted	Method For Avoiding Print Buffer Underrun
981	USA	7207646	Granted	Assembly Of Inkjet printhead Incorporating Testing Procedure Method Of Accommodating Printing Faults In A Dot Printing Operation
982	USA	7207647	Granted	
983	USA	7207654	Granted	INK JET WITH NARROW CHAMBER Printhead Configuration Having Acutely Aligned Nozzle Actuators
984	USA	7207656	Granted	
985	USA	7207657	Granted	INK JET PRINTHEAD NOZZLE ARRANGEMENT WITH ACTUATED NOZZLE CHAMBER CLOSURE Printhead Integrated Circuit With Electromechanical Actuators Incorporating Heatsinks
986	USA	7207658	Granted	
987	USA	7207659	Granted	NOZZLE ARRANGEMENT FOR AN INKJET PRINTHEAD WITH INK PASSIVATION STRUCTURE
988	USA	7207670	Granted	Inkjet Printer with In-Built Drying Compartment Handheld Mobile Communications Device With Integral Internal Printer, Incorporating A Receptacle With An Authentication Interface
989	USA	7209257	Granted	
990	USA	7210038	Granted	Method For Validating An Authentication Chip

Exhibit A, Page 30

	Country	Official No.	Case Status	Title
991	USA	7210407	Granted	Wallpaper Printing Franchise Methods
992	USA	7210666	Granted	Fluid Ejection Device With Inner And Outer Arms
993	USA	7210759	Granted	Testing Regime For A Micro-Electromechanical Device
994	USA	7210762	Granted	Printhead Assembly Incorporating An Ink Supply Arrangement And Printed Circuit Board
995	USA	7210764	Granted	Printhead With Drive Transistors And Corresponding Ink Ejection Actuators
996	USA	7210767	Granted	Inkjet Printhead Having a Thermal Actuator Coil
997	USA	7210768	Granted	Thermal Ink Jet Printhead with Bubble Nucleation Offset from Ink Supply
998	USA	7210866	Granted	Printer Having Adjustable Media Support
999	USA	7210867	Granted	Paper Thickness Sensor in a Printer
1000	USA	7213906	Granted	Printhead Assembly Relatively Free from Environmental Effects
1001	USA	7213907	Granted	Inkjet Nozzle Incorporating A Cleaning Structure
1002	USA	7213989	Granted	Ink Distribution Structure for a Printhead
1003	USA	7215443	Granted	Method of and Apparatus for Printing
1004	USA	7216956	Granted	PRINthead ASSEMBLY WITH POWER AND GROUND CONNECTIONS ALONG SINGLE EDGE
1005	USA	7216957	Granted	A Micro-Electromechanical Ink Ejection Mechanism That Incorporates Lever Actuation
1006	USA	7217046	Granted	Double-Sided Print Engine Assembly
1007	USA	7217048	Granted	Pagewidth printer and computer keyboard combination
1008	USA	7217049	Granted	Supplying Media to a Wallpaper Printer
1009	USA	7217051	Granted	Slitter Module with Optional Cutter
1010	USA	7218415	Granted	Integrated Circuit For Printer
1011	USA	7219427	Granted	Fabricating an Inkjet Printhead with Grouped Nozzles
1012	USA	7219429	Granted	Method for Forming a Microelectromechanical Fluid Ejection Device
1013	USA	7219980	Granted	Printhead Assembly with Removable Cover
1014	USA	7219982	Granted	Printer nozzle for ejecting ink
1015	USA	7220072	Granted	Printer Assembly Having Tote For Printed Wallpaper
1016	USA	7222780	Granted	Inline Printer Assembly
1017	USA	7222845	Granted	Printer With A Picker Assembly
1018	USA	7222929	Granted	Printing Oversize Dots in Images to Provide Printer Fault Tolerance
1019	USA	7222938	Granted	Printhead Assembly with Power, Data and Fluid Connections
1020	USA	7222939	Granted	Modular Image Capture And Printing System
1021	USA	7222940	Granted	Print Engine
1022	USA	7222941	Granted	PRINTER FOR DUPLEX PRINTING WITH MULTIPLE PRINthead MODULES
1023	USA	7222943	Granted	Thin Nozzle Plate for Low Printhead Deformation
1024	USA	7222947	Granted	Coupling for an Elongate Member Having Internal Passageways
1025	USA	7224478	Granted	Printer Controller for a High Speed Printer
1026	USA	7225739	Granted	Drying System For Use In A Printing System

Exhibit A, Page 31

	Country	Official No.	Case Status	Title
1027	USA	7226144	Granted	PRINthead ASSEMBLY WITH INK DELIVERY ASSEMBLY CARRYING DATA AND POWER BOARD
1028	USA	7226145	Granted	Micro-Electromechanical Valve Shutter Assembly Printhead Integrated Circuit with Coupled Arrays of Transistor Drive Circuits and Nozzles
1029	USA	7226147	Granted	Printer With An Ink Drying Arrangement
1030	USA	7226159	Granted	Inkjet Printhead With Turret Mounted Capping Mechanism
1031	USA	7229148	Granted	Printhead for Modular Printhead Assembly
1032	USA	7229150	Granted	Printhead Assembly with Mating Printhead Integrated Circuits
1033	USA	7229151	Granted	PRINthead CHIP WITH ELECTRO-THERMAL ACTUATORS INCORPORATING HEATSINKS
1034	USA	7229153	Granted	An Ink Ejection Nozzle With A Thermal Bend Actuator
1035	USA	7229154	Granted	Thermal Ink Jet Printhead with Bubble Collapse Point Void
1036	USA	7229155	Granted	Thermal Inkjet Printhead With Drive Circuitry Proximate To Heater Elements
1037	USA	7229156	Granted	Display Device Having Pagewidth Printhead Adjacent Lower Edge Of Housing
1038	USA	7229226	Granted	Liquid-Ejection Integrated Circuit Device That Incorporates A Nozzle Guard With Containment Structures
1039	USA	7232203	Granted	Inkjet printer cartridge refill dispenser with plunge action
1040	USA	7232208	Granted	Inkjet Nozzle With CMOS Compatible Actuator Voltage
1041	USA	7234795	Granted	Pagewidth Printhead with Flexible Ink Delivery Extrusion
1042	USA	7234797	Granted	Printing Cartridge with Barcode Identification
1043	USA	7234801	Granted	Inkjet printer cartridge with air filter
1044	USA	7234802	Granted	Mobile telecommunication device with printhead and media drive
1045	USA	7236271	Granted	Inkjet Printhead Having Low Pressure Ink Ejection Zone
1046	USA	7237873	Granted	Inkjet Printhead With Grouped Nozzles And A Nozzle Guard
1047	USA	7237874	Granted	Self Contained Wallpaper Printer
1048	USA	7237888	Granted	Controller for Controlling Printing on Both Surfaces of a Sheet of Print Media
1049	USA	7239407	Granted	Ink Jet Printhead Incorporating A Plurality Of Nozzle Arrangement Having Backflow Prevention Mechanisms
1050	USA	7240992	Granted	PRINthead ASSEMBLY FOR A PAGEWIDTH INKJET PRINTER INCORPORATING A SERIES OF PRINthead MODULES
1051	USA	7240993	Granted	Mobile Phone With Swipe Printer
1052	USA	7241005	Granted	Storage Of Program Code In Arbitrary Locations In Memory
1053	USA	7243193	Granted	A Method Of Printing Page Data With A Pagewidth Inkjet Printhead
1054	USA	7245399	Granted	Consumable Authentication Protocol and System
1055	USA	7246098	Granted	Printing Method using Color Space Conversion
1056	USA	7246868	Granted	Method And Apparatus For Compensating For Printhead Damage
1057	USA	7246871	Granted	Protector For A Print Head Capping Facility
1058	USA	7246875	Granted	Inkjet Printhead for Printing with Low Density Keep-Wet Dots
1059	USA	7246876	Granted	Thermally Stable Pagewidth Printhead Assembly
1060	USA	7246879	Granted	

Exhibit A, Page 32

	Country	Official No.	Case Status	Title
1061	USA	7246881	Granted	A Printhead Assembly Arrangement For A Wide Format Pagewidth Inkjet Printer
1062	USA	7246883	Granted	Motion Transmitting Structure For A Nozzle Arrangement Of A Printhead Chip For An Inkjet Printhead
1063	USA	7246884	Granted	INKJET PRINTHEAD HAVING ENCLOSED INKJET ACTUATORS
1064	USA	7246885	Granted	Self Cooling Inkjet Printhead For Preventing Inadvertent Boiling
1065	USA	7246886	Granted	THERMAL INK JET PRINTHEAD WITH SHORT HEATER TO NOZZLE APERTURE DISTANCE
1066	USA	7246897	Granted	Media Cartridge for Inkjet Printhead
1067	USA	7248376	Granted	A Printer Module with a Pen-Like Configuration
1068	USA	7249108	Granted	Validation Protocol and System
1069	USA	7249109	Granted	Shielding Manipulations of Secret Data
1070	USA	7249822	Granted	Pagewidth Printhead Assembly Having a Longitudinally Extending Electrical Connector
1071	USA	7249833	Granted	Ink Storage Device
1072	USA	7249838	Granted	Self Threading Wallpaper Printer
1073	USA	7249839	Granted	Printing Cartridge That Incorporates A Sheet Transport Mechanism
1074	USA	7249904	Granted	Modular Printer For Double-Sided High-Speed Printing
1075	USA	7251051	Granted	A Pagewidth Printing Mechanism Incorporating A Capping Mechanism
1076	USA	7252353	Granted	Printer Controller For Supplying Data To A Printhead Module Having One Or More Redundant Nozzle Rows
1077	USA	7252366	Granted	Inkjet printhead with high nozzle area density
1078	USA	7252367	Granted	INKJET PRINTHEAD HAVING PADDLED INKJET NOZZLES
1079	USA	7252775	Granted	Method of Fabricating Inkjet Nozzle Comprising Suspended Actuator
1080	USA	7255414	Granted	Printing Cartridge with Capacitive Sensor Identification
1081	USA	7255419	Granted	Inkjet Printer with Arcuately Moveable Duplex Print Head Assembly and Capping/Purging Mechanism
1082	USA	7255423	Granted	Printhead Assembly with Multiple Fluid Supply Connections
1083	USA	7255424	Granted	Ink Nozzle
1084	USA	7255430	Granted	Ink Refill Unit with Cartridge Constriction Actuators
1085	USA	7258067	Granted	Drying Equipment for High Speed Printer
1086	USA	7258415	Granted	Printhead Tile For Use In A Printing System
1087	USA	7258416	Granted	Inkjet Printer With Pivotal Capping Member
1088	USA	7258417	Granted	Inkjet Printer With Interposing Print Head Capping Mechanism
1089	USA	7258418	Granted	Inkjet Printer Comprising Pagewidth Printhead and Reciprocally Movable Capping Member
1090	USA	7258421	Granted	Nozzle Assembly Layout For Inkjet Printhead
1091	USA	7258422	Granted	Printhead Assembly with Fluid Supply Connections
1092	USA	7258424	Granted	Printer With A MEMS Printhead
1093	USA	7258425	Granted	Printhead Incorporating Leveraged Micro-Electromechanical Actuation
1094	USA	7258427	Granted	Inkjet Printhead With Suspended Heater Mounted To

Exhibit A, Page 33

	Country	Official No.	Case Status	Title
				Opposing Sides Of The Chamber
1095	USA	7258430	Granted	An Inkjet Printing Mechanism with a Displaceable Platen Assembly
1096	USA	7258432	Granted	Inkjet printer cartridge with controlled refill
1097	USA	7258435	Granted	Inkjet Printer with a Media Tray for Sheets of Print Media and an Ink Cartridge
1098	USA	7259889	Granted	Method and Apparatus for Dithering
1099	USA	7261392	Granted	Printhead Chip That Incorporates Pivotal Micro-Mechanical Ink Ejecting Mechanisms
1100	USA	7261394	Granted	Inkjet Nozzle With Reduced Fluid Inertia And Viscous Drag
1101	USA	7261400	Granted	PRINTER HAVING INTERFACE FOR REFILL CONTROL
1102	USA	7261401	Granted	Inkjet Printhead Module Having Channeled Ink Distribution
1103	USA	7261477	Granted	Method Of On-Demand Printing
1104	USA	7261482	Granted	Photofinishing System with Slitting Mechanism
1105	USA	7264333	Granted	A Pagewidth Inkjet Printhead Assembly With An Integrated Printhead Circuit
1106	USA	7264335	Granted	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINTHEAD
1107	USA	7264336	Granted	Compact Printer Housing
1108	USA	7265869	Granted	Printer Including Firmware To Check Page Description Data Format
1109	USA	7265877	Granted	Method of Storing Bit-Pattern in Plural Devices
1110	USA	7266661	Granted	Printer Controller For Supplying Data To One Or More Printheads Via Serial Links
1111	USA	7267417	Granted	Printhead Assembly Using A Fluidic Seal For Sealing A Nozzle Chamber
1112	USA	7267423	Granted	Wide Format Pagewidth Printer
1113	USA	7267424	Granted	INKJET PRINTHEAD DEVICE HAVING NOZZLE GUARD AND INK CONTAINMENT FORMATIONS
1114	USA	7267428	Granted	Printer With Speaker To Indicate Print Error Conditions
1115	USA	7268911	Granted	Method For Processing An Image
1116	USA	7270391	Granted	Inkjet Printer Incorporating A Spool-Fed Flexible Capping Member
1117	USA	7270393	Granted	Printhead Cartridge Having Coupled Media Transport and Capping Mechanisms
1118	USA	7270394	Granted	Inkjet Printer with Offset Duplex Print Head and Capping Mechanism
1119	USA	7270395	Granted	Composite Pagewidth-Printhead Supporting Structure
1120	USA	7270396	Granted	A Printhead For Use With A Pulsating Pressure Ink Supply
1121	USA	7270399	Granted	Printhead Assembly With Components Supported On A Common Casing
1122	USA	7270401	Granted	System for Priming a Pagewidth Printhead Cartridge
1123	USA	7270405	Granted	Thermoelastic Device Comprising An Expansive Element Formed From A Preselected Material
1124	USA	7270475	Granted	COMPUTER SYSTEM HAVING INTEGRATED PRINTER AND KEYBOARD
1125	USA	7270492	Granted	

Exhibit A, Page 34

	Country	Official No.	Case Status	Title
1126	USA	7270494	Granted	EASY ASSEMBLY PRINTER MEDIA TRANSPORT ARRANGEMENT
1127	USA	7271936	Granted	Method For Printing An Image
1128	USA	7273263	Granted	Inkjet Printer Incorporating A Flexible Capping Member
1129	USA	7273274	Granted	Elongate Printhead Assembly
				Printing Cartridge Having IC Device for Interfacing with
1130	USA	7275800	Granted	Printing System
1131	USA	7275805	Granted	Printhead Comparing Different Printhead Modules
1132	USA	7275811	Granted	High Nozzle Density Inkjet Printhead
1133	USA	7277205	Granted	Dither Volume with Three Thresholds for Each Cell Location
				MECHANISM FOR REDUCING WRITE PROBLEMS BY
				CONTROLLING CHARGE PUMPS FOR FLASH
1134	USA	7278034	Granted	MEMORYCONTROLLED BY THE PROCESSOR
				DATA RATE SUPPLY PROPORTIONAL TO THE RATIO OF
1135	USA	7278697	Granted	DIFFERENT PRINTHEAD LENGTHS
1136	USA	7278707	Granted	Alignment-Adjustable Modular Printhead Assembly
				A Nozzle Arrangement Incorporating A Lever Based Ink
1137	USA	7278711	Granted	Displacement Mechanism
				A Nozzle Arrangement with an ink Ejecting Displaceable Roof
1138	USA	7278712	Granted	Structure
1139	USA	7278713	Granted	Inkjet Printhead with Ink Spread Restriction Walls
1140	USA	7278716	Granted	Printhead with Heater Suspended Parallel to Plane of Nozzle
				THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM
1141	USA	7278717	Granted	HEATER
				Modular Printhead Assembly With Opposed Sets of Serially
1142	USA	7278795	Granted	Arranged Printhead Modules
1143	USA	7278796	Granted	Keyboard for a computer system
1144	USA	7280235	Granted	A Print Engine For Double-Sided Printing
1145	USA	7280244	Granted	Printer simultaneously printing on both surfaces of a sheet
1146	USA	7280247	Granted	Printer Assembly Having Flexible Ink Channel Extrusion
				Method Of Manufacturing Left-Handed And Right Handed
1147	USA	7281330	Granted	Printhead Modules
				Printhead Module Having A Communication Input For Data
1148	USA	7281777	Granted	And Control
1149	USA	7281782	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
				Printing Cartridge With Two-Dimensional Encoding
1150	USA	7281786	Granted	Formations
1151	USA	7283280	Granted	Ink Temperature Control for Multiprinthead Printer
1152	USA	7283281	Granted	Processor Circuitry For A Pagewidth Printhead
				Method For Manufacturing A Micro-Electromechanical Nozzle
				Arrangement On A Substrate With An Integrated Drive
1153	USA	7284326	Granted	Circuitry Layer
				Edge Delta Runlength (EDRL) Data Stream Decoder For Bi-
1154	USA	7284805	Granted	Level Graphics
1155	USA	7284816	Granted	Printer with Motor Driven Maintenance Station
1156	USA	7284817	Granted	Printer with a Self-Cleaning Inkjet Printhead Assembly
				Inkjet Printer with Turret Mounted Capping/Purging
1157	USA	7284819	Granted	Mechanism

Exhibit A, Page 35

	Country	Official No.	Case Status	Title
1158	USA	7284820	Granted	Two-Stage Capping Mechanism For Inkjet Printers
1159	USA	7284822	Granted	Printhead Assembly Having Modular Ink Distribution
1160	USA	7284824	Granted	Printhead Assembly with Support Member for Pagewidth Printhead
1161	USA	7284825	Granted	Pagewidth Printhead Assembly Having Aligned Printhead Modules
1162	USA	7284826	Granted	PRINTER WITH ELONGATE SUPPORT STRUCTURE FOR PRINthead
1163	USA	7284827	Granted	PRINTER INCLUDING SUPPORT MEMBER FOR SUPPORTING MODULAR PAGEWIDTH PRINthead
1164	USA	7284831	Granted	Inkjet Printhead Having Removable Printhead Segments
1165	USA	7284833	Granted	Fluid Ejection Chip that Incorporates Wall-Mounted Actuators
1166	USA	7284834	Granted	Closure Member For An Ink Passage In An Ink Jet Printhead
1167	USA	7284836	Granted	Nozzle Arrangement Including an Actuator
1168	USA	7284837	Granted	Fluid Ejection Device With Micro-Electromechanical Fluid Ejection Actuators
1169	USA	7284838	Granted	NOZZLE ARRANGEMENT FOR AN INKJET PRINTING DEVICE WITH VOLUMETRIC INK EJECTION
1170	USA	7284839	Granted	Inkjet Printhead With Low Power Ink Vaporizing Heaters
1171	USA	7284843	Granted	Ink Distribution Assembly for an Ink Jet Printhead
1172	USA	7284845	Granted	Ink Refill Unit with Asymmetrically Positioned Ink Outlet
1173	USA	7284852	Granted	Fixative drying of fluid printed by an inkjet type printer
1174	USA	7284925	Granted	PRINTER MODULE FOR A PRINTING ARRAY
1175	USA	7285170	Granted	Adhesive Application Mechanism for a Printer
1176	USA	7285227	Granted	Method of Fabricating Printhead to Have Aligned Nozzle Guard
1177	USA	7286260	Granted	Handheld Mobile Communications Device With Integral Internal Printer Incorporating Media Slot
1178	USA	7287827	Granted	Printhead Incorporating a two Dimensional Array of Ink Ejection Ports
1179	USA	7287828	Granted	Removable Printhead Assembly for a Wallpaper Printer
1180	USA	7287829	Granted	Printhead Assembly Configured For Relative Movement Between The Printhead IC And Its Carrier
1181	USA	7287834	Granted	MICRO-ELECTROMECHANICAL INK EJECTION DEVICE WITH AN ELONGATE ACTUATOR
1182	USA	7287836	Granted	INK JET PRINthead WITH CIRCULAR CROSS SECTION CHAMBER
1183	USA	7287837	Granted	Thermoelastic Inkjet Actuator With A Heat Conductive Layer
1184	USA	7287839	Granted	Inkjet Printhead having Bicuspid Valved Ink Ejection Arrangement
1185	USA	7287846	Granted	Inkjet printer cartridge with combined blotter
1186	USA	7289727	Granted	Image Processor with Integrated Printing
1187	USA	7290852	Granted	Printhead Module Having A Dropped Row
1188	USA	7290853	Granted	Inkjet Printhead with a Two Dimensional Array of Ink Ejection Nozzle Arrangements
1189	USA	7290856	Granted	INKJET PRINT ASSEMBLY FOR HIGH VOLUME PAGEWIDTH PRINTING

Exhibit A, Page 36

	Country	Official No.	Case Status	Title
1190	USA	7290857	Granted	Printhead Assembly With A Laminated Stack Of Ink Distribution Layers
1191	USA	7290859	Granted	MICRO-ELECTROMECHANICAL INTEGRATED CIRCUIT DEVICE AND ASSOCIATED REGISTER AND TRANSISTOR CIRCUITRY
1192	USA	7290862	Granted	MODULAR PRINTHEAD ASSEMBLY WITH CARRIER FOR MAINTAINING DATA AND POWER CONNECTIONS
1193	USA	7290863	Granted	Ink Jet Printhead Chip With Misdirected Drop Collection
1194	USA	7293853	Granted	Inkjet Printer With Simplex Print Head And Capping Mechanism
1195	USA	7293855	Granted	Inkjet Nozzle With Ink Supply Channel Parallel To Drop Trajectory
1196	USA	7293856	Granted	Bicuspid Valved Ink Ejection Arrangement For Inkjet Printhead
1197	USA	7293858	Granted	Inkjet Printhead Integrated Circuit With Rotatable Heater Element
1198	USA	7293861	Granted	Inkjet printer cartridge refill dispenser system with variably positioned outlets
1199	USA	7296867	Granted	Printing Apparatus Having Printhead Chips With Overlapping End Portions
1200	USA	7298519	Granted	Data Register Arrangement For an Inkjet Printer
1201	USA	7300140	Granted	Ink Refill Unit for Maintaining Negative Pressure in Negatively Pressurized Ink Storage Compartment
1202	USA	7300141	Granted	Printhead Assembly With Ink Distribution Assembly And Printhead Integrated Circuits
1203	USA	7302592	Granted	INTEGRATED CIRCUIT WHICH DISABLES WRITING CIRCUITRY TO MEMORY WHEN THE POWER DROPS BELOW A POWER THRESHOLD PREDETERMINED AND CONTROLLED BY THE PROCESSOR
1204	USA	7303251	Granted	Inkjet printer cradle with integrated cartridge engaging mechanism
1205	USA	7303252	Granted	Pagewidth Printhead Assembly for a Cartridge Unit
1206	USA	7303254	Granted	Print Assembly For A Wide Format Pagewidth Printer
1207	USA	7303255	Granted	Inkjet printer cartridge with a compressed air port
1208	USA	7303256	Granted	Printhead Assembly Comprised of a Plurality of Printhead Modules
1209	USA	7303257	Granted	Modular Printhead
1210	USA	7303258	Granted	Inkjet Printer for Printing Ink and Fixative
1211	USA	7303261	Granted	Printhead Assembly Having Dual Power Supply For Multiple Printhead Modules
1212	USA	7303262	Granted	Ink Jet Printhead Chip With Predetermined Micro-Electromechanical Systems Height
1213	USA	7303263	Granted	THERMAL INK JET PRINTHEAD WITH HIGH NOZZLE AREAL DENSITY
1214	USA	7303268	Granted	Ink Refill Unit for Refilling a High Speed Print Engine
1215	USA	7303689	Granted	Method of Manufacturing a Nozzle Assembly
1216	USA	7303930	Granted	METHOD OF FABRICATING SUSPENDED BEAM IN A MEMS PROCESS
1217	USA	7304771	Granted	Apparatus For Printing An Image

Exhibit A, Page 37

	Country	Official No.	Case Status	Title
1218	USA	7306307	Granted	A Processing Apparatus for an Inkjet Printer
1219	USA	7306317	Granted	Inkjet Printer Comprising Printhead and Capping Device
1220	USA	7306320	Granted	High Speed Digital Printer Unit MODULAR PRINTING DEVICE WITH PERIPHERAL
1221	USA	7306321	Granted	CONNECTORS
1222	USA	7306322	Granted	Printhead Assembly With Ink Distribution Assembly
1223	USA	7306324	Granted	Printhead Assembly having Clamped Components Inkjet Printer Having Ink Distribution To Fixedly Attached
1224	USA	7306325	Granted	Printhead ICS
1225	USA	7306326	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
1226	USA	7311381	Granted	System for Priming a Pagewidth Printhead Cartridge System for Securing Integrated Circuits to a Pagewidth
1227	USA	7311382	Granted	Printhead Assembly
1228	USA	7311387	Granted	INK REFILL CARTRIDGE WITH PRESSURE-LIMITING DEVICE Printhead Module For Expelling Ink From Nozzles In Groups
1229	USA	7314261	Granted	Alternately Starting At Outside Nozzles of Each Group
1230	USA	7314266	Granted	Inkjet Printhead Assembly with an Ink Distribution Molding Inkjet Printhead Having Controlled Vertically Offset Printhead
1231	USA	7322666	Granted	Modules
1232	USA	7322669	Granted	Inkjet Printer With Protector For A Printhead Capping Facility Inkjet Printer with Replaceable Printhead Requiring Zero-
1233	USA	7322671	Granted	Insertion-Force Printhead Assembly with Combined Securing and Mounting
1234	USA	7322672	Granted	Arrangement for Components PRINTHEAD ASSEMBLY WITH HEAT SINK FOR DRIVE
1235	USA	7322673	Granted	CIRCUITRY
1236	USA	7322675	Granted	Mounting for a Modular Printhead Printhead Assembly with Electrical Connection Member for
1237	USA	7322676	Granted	Interconnecting Print Engine Controllers
1238	USA	7322677	Granted	Printhead Assembly With Communications Module An Inkjet Nozzle Arrangement With Thermal Bend Actuator
1239	USA	7322679	Granted	Capable Of Differential Thermal Expansion
1240	USA	7322680	Granted	Printer Assembly and Nozzle Arrangement PRINTHEAD WITH INK FEED TO CHAMBER VIA ADJACENT
1241	USA	7322681	Granted	CHAMBER Cover Assembly for a Cradle Unit Having an Ink Refilling
1242	USA	7322684	Granted	Capabilities Cover Assembly for a Cradle Unit Having an Ink Refilling
1243	USA	7322685	Granted	Actuator Provided Therein THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED
1244	USA	7322686	Granted	NOZZLE PLATE INKJET PRINTER HAVING ASSOCIATED PRINTHEAD, CONTROL
1245	USA	7322757	Granted	AND MEMORY MODULES
1246	USA	7322761	Granted	SPOOL ADAPTED FOR GRIPPING A ROLL OF PRINT MEDIA
1247	USA	7325897	Granted	Printing Cartridge With Pressure Sensor Array identification An Ink Jet Nozzle Arrangement Incorporating Mechanically
1248	USA	7325901	Granted	Coupled Bend Actuator Arms

Exhibit A, Page 38

	Country	Official No.	Case Status	Title
1249	USA	7325904	Granted	Printhead Having Multiple Thermal Actuators For Ink Ejection
1250	USA	7325905	Granted	PRINthead MODULE FOR AN INKJET PRINTER
1251	USA	7325918	Granted	Print Media Transport Assembly
1252	USA	7325986	Granted	Printhead Assembly with Stacked Ink Distribution Sheets Method Of Fabricating Printhead IC To Have Displaceable Inkjets
1253	USA	7326357	Granted	
1254	USA	7328115	Granted	QUALITY ASSURANCE IC HAVING CLOCK TRIMMER Printer Comprising A Printhead And At Least Two Printer Controllers Connected To A Common Input Of The Printhead
1255	USA	7328956	Granted	PAGE-WIDTH INKJET PRINTER WITH PRINthead -TRANSFER ROLLER ARRANGEMENT
1256	USA	7328966	Granted	Nozzle Guard For A Printhead
1257	USA	7328967	Granted	
1258	USA	7328968	Granted	Inkjet Printer With Simplex Printhead And Capping/Purging Mechanism MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE WITH AN ARRAY OF NOZZLE ASSEMBLIES INCORPORATING FLUIDIC SEALS
1259	USA	7328971	Granted	PRINTER HAVING PRINthead ASSEMBLY WITH CONSTRAINED NOZZLES
1260	USA	7328972	Granted	Pagewidth Printhead Cartridge Having a Longitudinally Extending Electrical Contact
1261	USA	7328973	Granted	
1262	USA	7328975	Granted	Inkjet Printhead With Thermal Bend Arm Exposed To Ink Flow
1263	USA	7328976	Granted	Hydrophobically Coated Printhead INKJET PRINthead WITH MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICES HAVING INTEGRATED MOVEMENT SENSORS
1264	USA	7328977	Granted	
1265	USA	7328978	Granted	Printhead Heaters with Short Pulse Time
1266	USA	7328984	Granted	Ink Refill with Ink Level Indicator Inkjet printer cartridge refill dispenser with security mechanism
1267	USA	7328985	Granted	
1268	USA	7328994	Granted	PRINT ENGINE ASSEMBLY WITH SLOTTED CHASSIS
1269	USA	7329061	Granted	Ink Jet Printer with a Belt-Loading Mechanism METHOD OF FABRICATING A MICRO-ELECTROMECHANICAL ACTUATING MECHANISM
1270	USA	7331101	Granted	Method of Generating Halftone Print Data That Accommodates overlapping Printhead Chips
1271	USA	7331646	Granted	
1272	USA	7331651	Granted	Inkjet Printhead Having Isolated Nozzles
1273	USA	7331653	Granted	Modular Printhead Assembly Incorporating A Capping Device
1274	USA	7331659	Granted	Baffled Ink Supply for Reducing Ink Accelerations
1275	USA	7331660	Granted	Cradle Unit Having a Cover Assembly with Ink Refill Port
1276	USA	7331661	Granted	Ink Refill Unit for Docking with an Ink Cartridge
1277	USA	7331663	Granted	Replaceable Pagewidth Printhead Cartridge Printer Controller For Controlling Operation Of A Pagewidth Printhead
1278	USA	7333235	Granted	
1279	USA	7334864	Granted	Inkjet Printer with arcuately moveable Duplex Print Head Assembly and Capping System

Exhibit A, Page 39

	Country	Official No.	Case Status	Title
1280	USA	7334867	Granted	Support Beam for Printhead Modules
1281	USA	7334868	Granted	PAGEWIDTH INKJET PRINthead ASSEMBLY HAVING A COMPOSITE SUPPORT STRUCTURE
1282	USA	7334870	Granted	Method of Printing which minimizes cross-contamination between nozzles
1283	USA	7334873	Granted	Discrete Air And Nozzle Chambers In A Printhead Chip For An Inkjet Printhead
1284	USA	7334874	Granted	Inkjet Nozzle Chamber With Electrostatically Attracted Plates
1285	USA	7334875	Granted	Method of Fabricating a Printhead having Isolated Nozzles
1286	USA	7334876	Granted	Printhead Heaters with Small Surface Area
1287	USA	7334877	Granted	Nozzle For Ejecting Ink
1288	USA	7336397	Granted	Image Processing Method For Execution Externally And Internally To A Printer
1289	USA	7337532	Granted	Method Of Manufacturing Micro-Electromechanical Device Having Motion-Transmitting Structure
1290	USA	7338147	Granted	PAGEWIDTH INKJET PRINthead INCORPORATING POWER AND DATA TRANSMISSION CIRCUITRY
1291	USA	7341328	Granted	Inkjet Printer With Two-Stage Capping Mechanism
1292	USA	7341331	Granted	Modular Print Head With Adjustable Modules
1293	USA	7341672	Granted	Method of Fabricating Printhead for Ejecting Ink Supplied Under Pulsed Pressure
1294	USA	7344226	Granted	Method of Hydrophobically Coating A Printhead
1295	USA	7344232	Granted	Inkjet printer cartridge refill dispenser with security lock for spent refill
1296	USA	7346586	Granted	Validation Protocol and System
1297	USA	7347526	Granted	Capping Member For Inkjet Printer
1298	USA	7347534	Granted	Inkjet Printhead with Apertured Sealing Film
1299	USA	7347535	Granted	Liquid Ejection Device With a Commonly Composed Actuator And Liquid Ejector
1300	USA	7347536	Granted	Ink Printhead Nozzle Arrangement with Volumetric Reduction Actuators
1301	USA	7347537	Granted	HIGH EFFICIENCY THERMAL INK JET PRINthead
1302	USA	7347952	Granted	Method of Fabricating an Ink Jet Printhead
1303	USA	7349125	Granted	Application Specific Integrated Circuit (ASIC) in the form of a Printer Processor
1304	USA	7349216	Granted	Modular Electronic Device
1305	USA	7367650	Granted	Printhead Chip Having Low Aspect Ratio Ink Supply Channels
1306	USA	7374266	Granted	Method For At Least Partially Compensating For Errors In Ink Dot Placement Due To Erroneous Displacement
1307	USA	7374355	Granted	Inkjet printer cradle for receiving a pagewidth printhead cartridge
1308	USA	7374695	Granted	A METHOD OF MANUFACTURING AN INKJET NOZZLE ASSEMBLY FOR VOLUMETRIC INK EJECTION
1309	USA	7377608	Granted	COMPENSATION FOR VERTICAL SKEW BETWEEN ADJACENT ROWS OF NOZZLES ON A PRINthead MODULE
1310	USA	7377609	Granted	Printer Controller For At Least Partially Compensating For Errors In Ink Dot Placement Due to Erroneous Rotational

Exhibit A, Page 40

	Country	Official No.	Case Status	Title
				Displacement
1311	USA	7377621	Granted	FLUID CHAMBER CONFIGURATION WITHIN AN INKJET PRINthead
1312	USA	7377623	Granted	Printhead Heaters with a Nanocrystalline Composite Structure
1313	USA	7377635	Granted	Printer Unit Employing Vertically Disposed Media Storage and Collection Areas
1314	USA	7380339	Granted	A Method of Manufacturing A Printhead Wafer Etched From Opposing Sides
1315	USA	7380902	Granted	Printhead Maintenance Station
1316	USA	7380905	Granted	INK JET PRINthead NOZZLE ARRAY
1317	USA	7380906	Granted	Printhead
1318	USA	7380908	Granted	Inkjet Nozzle Arrangement With Buckle-Resistant Actuator
1319	USA	7380910	Granted	Inkjet Printhead with Electrical Disconnection of Printhead Prior to Removal
1320	USA	7380912	Granted	Inkjet Printer Having Stably Mounted Printhead
1321	USA	7380913	Granted	INK JET PRINTER NOZZLE ASSEMBLY WITH MICRO-ELECTROMECHANICAL PADDLES
1322	USA	7380924	Granted	Printhead Assembly with an Elongate Ink Delivery Member
1323	USA	7380929	Granted	Printer With A Driven Print Media Carriage
1324	USA	7381340	Granted	Ink jet printhead that incorporates an etch stop layer
1325	USA	7381342	Granted	A Method for Manufacturing an Inkjet Nozzle that Incorporates Heater Actuator Arms
1326	USA	7382488	Granted	Printer Configured To Count Printed Drops
1327	USA	7384119	Granted	PRINthead MAINTENANCE STATION CONFIGURED FOR AIR BLAST CLEANING OF PRINthead
1328	USA	7384127	Granted	Inkjet Printhead Assembly For Gapless Printing
1329	USA	7384128	Granted	PRINthead IC WITH NOZZLE ARRAY FOR LINKING WITH ADJACENT PRINthead IC'S
1330	USA	7384131	Granted	PAGEWIDTH PRINthead HAVING SMALL PRINT ZONE
1331	USA	7384134	Granted	Ink Cartridge With Collapsible Ink Containers For An Inkjet Printer
1332	USA	7384135	Granted	Cradle Unit Having Pivotal Electrical Contacts for Electrically Engaging with a Pagewidth Printhead Cartridge
1333	USA	7384206	Granted	Printer Having Removable Handling Apparatus For Printed Roll Media
1334	USA	7387358	Granted	PRINthead MAINTENANCE ASSEMBLY CONFIGURED FOR AIR BLAST CLEANING
1335	USA	7387363	Granted	An Inkjet Nozzle Arrangement With Ink Flow Control
1336	USA	7387364	Granted	Ink Jet Nozzle Arrangement with Static and Dynamic Structures
1337	USA	7387365	Granted	Nozzle For An Inkjet Printer Incorporating A Plunger Assembly
1338	USA	7387368	Granted	Pagewidth Printhead having Sealed Inkjet Actuators
1339	USA	7387369	Granted	Method For Providing Low volume drop displacement In An Inkjet Printhead
1340	USA	7387573	Granted	Video Gaming Apparatus with Connected Player and Printer Modules

Exhibit A, Page 41

	Country	Official No.	Case Status	Title
1341	USA	7388689	Granted	PRINTED PAGE TAG ENCODER FOR ENCODING FIXED AND VARIABLE DATA
1342	USA	7390071	Granted	Printer Controller For Supplying Data To A Printhead Module Having A Dropped Row
1343	USA	7390075	Granted	Capper Assembly Having a Biased Capper Element for Capping a Pagewidth Printhead Cartridge
1344	USA	7390080	Granted	Ink Refill Unit with Keyed Connection to Ink Cartridge
1345	USA	7390421	Granted	Method for Forming Inkjet Nozzles Having a Coiled Thermal Actuator Mechanism
1346	USA	7391435	Granted	Monolithic Integrated Circuit with a Printhead Interface
1347	USA	7391531	Granted	Printer With Replaceable Ink Cartridge And Print Quality Ic Control System for Controlling the Refilling Operation of a Print Engine
1348	USA	7393076	Granted	Inkjet Printer With Low Nozzle To Chamber Cross-Section Ratio
1349	USA	7393083	Granted	Pagewidth Printhead Assembly With Flexible Tab Film For Supplying Power And Data To Printhead Integrated Circuits
1350	USA	7396108	Granted	Method for Fabricating Monolithic Microelectromechanical Fluid Ejection Device
1351	USA	7398597	Granted	PRINTER HAVING STRAIGHT MEDIA PATH
1352	USA	7398916	Granted	COMPENSATION FOR UNEVEN PRINTHEAD MODULE LENGTHS IN A MULTI-MODULE PRINTHEAD
1353	USA	7399043	Granted	Inkjet Printhead Having Independent Modular Components
1354	USA	7399053	Granted	PRINTHEAD ASSEMBLY COMPRISING WICKING CHANNEL
1355	USA	7399054	Granted	PRINTHEAD MAINTENANCE STATION HAVING CYLINDRICAL ENGAGEMENT PAD
1356	USA	7399057	Granted	Micro-Electromechanical Fluid Ejection Device With Through-Wafer Inlets And Nozzle Chambers
1357	USA	7399063	Granted	Inkjet Printer Having Ink Ejection Printhead Tiles
1358	USA	7399065	Granted	Inkjet Printer having Ink Distribution to Printhead ICS
1359	USA	7399071	Granted	Ink Refill Unit Having a Linearly Actuated Plunger Assembly
1360	USA	7399072	Granted	Media Cartridge Having Body which Receives Printer
1361	USA	7399076	Granted	Inkjet Printer with Folding Input Tray
1362	USA	7400419	Granted	Authentication Chip For Authenticating An Untrusted Chip
1363	USA	7401223	Granted	METHOD OF FABRICATING INKJET NOZZLES HAVING ASSOCIATED INK PRIMING FEATURES
1364	USA	7401405	Granted	Inkjet Printhead With Integral Nozzle Plate
1365	USA	7401884	Granted	METHOD OF REMOVING INK FROM A PRINTHEAD USING FILM TRANSFER
1366	USA	7401886	Granted	METHOD OF MAINTAINING A PRINTHEAD USING AIR BLAST CLEANING
1367	USA	7401887	Granted	METHOD OF MAINTAINING A PRINTHEAD USING MAINTENANCE STATION CONFIGURED FOR AIR BLAST CLEANING
1368	USA	7401888	Granted	INTERCOLOUR SURFACE BARRIERS IN MULTI COLOUR INKJET PRINTHEAD
1369	USA	7401890	Granted	Printhead Assembly Incorporating a Capping Arrangement
1370	USA	7401891	Granted	

Exhibit A, Page 42

	Country	Official No.	Case Status	Title
1371	USA	7401894	Granted	Printhead Assembly with Electrically Interconnected Print Engine Controllers
1372	USA	7401895	Granted	Inkjet Printhead Integrated Circuit With Optimized Trace Orientation
1373	USA	7401900	Granted	Inkjet Nozzle With Long Ink Supply Channel
1374	USA	7401901	Granted	Inkjet Printhead Having Nozzle Plate Supported By Encapsulated Photoresist
1375	USA	7401902	Granted	Inkjet Nozzle Arrangement Incorporating A Thermal Bend Actuator With An Ink Ejection Paddle
1376	USA	7401903	Granted	An Inkjet Unit Cell With Suspended Heater Element
1377	USA	7401910	Granted	INKJET PRINTHEAD WITH BUBBLE TRAP
1378	USA	7404617	Granted	Printer Assembly With A Capping Arrangement
1379	USA	7404620	Granted	Inkjet Printer Having Thermally Stable Modular Printhead
1380	USA	7404621	Granted	PRINTHEAD ASSEMBLY WITH ADJUSTABLY POSITIONED MODULES
1381	USA	7404623	Granted	PRINTHEAD ASSEMBLY WITH MODULAR PRINTHEAD TILES FOR PAGEWIDTH PRINTING
1382	USA	7404625	Granted	Ink jet nozzle arrangement having paddle forming a portion of a wall
1383	USA	7404633	Granted	Inkjet Cartridge with Ink Reservoir Core and Releasable Housing
1384	USA	7407247	Granted	Controller Which Generates Data Suitable For Inkjet Printhead
1385	USA	7407257	Granted	Mobile device including a force transfer mechanism
1386	USA	7407259	Granted	PRINTHEAD ASSEMBLY COMPRISING LAMINATED INK DISTRIBUTION STRUCTURE
1387	USA	7407261	Granted	AN IMAGE PROCESSING APPARATUS FOR A PRINTING MECHANISM OF A WIDE FORMAT PAGEWIDTH INKJET PRINTER
1388	USA	7407262	Granted	Pagewidth Printhead Assembly Having Abutting Integrated Circuits Arranged Thereon
1389	USA	7407265	Granted	Nozzle Assembly With Variable Volume Nozzle Chamber
1390	USA	7407269	Granted	Ink Jet Nozzle Assembly Including Displaceable Ink Pusher
1391	USA	7407271	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD
1392	USA	7410243	Granted	Inkjet Nozzle With Resiliently Biased Ejection Actuator
1393	USA	7410250	Granted	Inkjet Nozzle With Supply Duct Dimensioned For Viscous Damping
1394	USA	7413273	Granted	Generation Of Print Data For Printing
1395	USA	7413281	Granted	CAPPER FOR A PRINTHEAD MAINTENANCE STATION
1396	USA	7413283	Granted	Printhead Assembly with Two or More Printhead Modules
1397	USA	7413285	Granted	A PRINTHEAD ASSEMBLY OF PRINTHEAD INTEGRATED CIRCUIT MODULES
1398	USA	7413288	Granted	EXTERNALLY APPLIED WRITE ADDRESSES FOR PRINTHEAD INTEGRATED CIRCUITS
1399	USA	7413671	Granted	A Method Of Fabricating A Printhead Integrated Circuit With A Nozze Chamber In A Wafer Substrate
1400	USA	7414749	Granted	DUAL PRINTHEAD CONTROLLER ARCHITECTURE

Exhibit A, Page 43

	Country	Official No.	Case Status	Title
1401	USA	7416272	Granted	Inkjet Printhead Assembly with Parallel Ranks of Spaced Apart Printheads
1402	USA	7416274	Granted	Printhead Assembly with Print Engine Controller
1403	USA	7416275	Granted	Printhead Chip with Nozzle Arrangement for Color Printing
1404	USA	7416277	Granted	Inkjet Printhead Assembly With Obliquely Oriented Printheads
1405	USA	7416280	Granted	Inkjet printhead with hollow drop ejection chamber formed partly of actuator material
1406	USA	7416282	Granted	PRINthead HAVING COMMON ACTUATOR FOR INKJET NOZZLES
1407	USA	7416283	Granted	PRINthead ASSEMBLY SUITABLE FOR REDIRECTING EJECTED INK DROPLETS
1408	USA	7416284	Granted	Inkjet Unit Cell With Dual Heater Elements
1409	USA	7416287	Granted	Cradle Unit Having a Refill Actuator for Operating a Refill Unit
1410	USA	7416629	Granted	Method of Aligning Fluidic MST Devices to a Support Member
1411	USA	7419053	Granted	Container For Receiving Printed Web
1412	USA	7419244	Granted	Ink Ejection Nozzle Arrangement With Layered Actuator Mechanism
1413	USA	7419247	Granted	PRINTER COMPRISING SMALL AREA PRINT CHIPS FORMING A PAGEWIDTH PRINthead
1414	USA	7419249	Granted	Inkjet Printer with Low Thermal Product Layer
1415	USA	7419250	Granted	Micro-Electromechanical Liquid Ejection Device
1416	USA	7419259	Granted	Display Device Having Print Media Path Parallel To Plane Of Flat Panel Display In At Least One Direction
1417	USA	7425047	Granted	PRINthead IC COMPATIBLE WITH MUTALLY INCOMPATIBLE PRINT ENGINE CONTROLLERS
1418	USA	7425048	Granted	PRINthead IC WITH DE-ACTIVATABLE TEMPERATURE SENSOR
1419	USA	7425049	Granted	METHOD OF WICKING INK AWAY FROM A PRINthead
1420	USA	7425050	Granted	Method for facilitating maintenance of an inkjet printer having a pagewidth printhead
1421	USA	7425051	Granted	PRINthead MAINTENANCE STATION HAVING SLOPED ENGAGEMENT PAD
1422	USA	7425053	Granted	Printhead Assembly With A Laminated Ink Distribution Assembly
1423	USA	7425063	Granted	Digital Web Printer with Dryer
1424	USA	7426044	Granted	Hand-Held Printer Assembly With Detachable Media Feed Mechanism
1425	USA	7427117	Granted	Method Of Expelling Ink From Nozzles In Groups Alternately Starting At Outside Nozzles Of Each Group
1426	USA	7427121	Granted	Pagewidth Printhead Cartridge Having Multiple Ink Storage Capacity
1427	USA	7427123	Granted	Modular Printhead with Series of Nested Printhead Modules
1428	USA	7429092	Granted	Method Of Printing With A Personal Computer And Connected Printer
1429	USA	7429095	Granted	Method of Assembling Modular Printhead Assembly
1430	USA	7429096	Granted	Cradle Unit for Electrically Engaging with a Pagewidth Printhead Cartridge

Exhibit A, Page 44

	Country	Official No.	Case Status	Title
1431	USA	7429097	Granted	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
1432	USA	7429104	Granted	Supplying Media to a Self Threading Color Web Printer
1433	USA	7430067	Granted	Mobile Phone Device Incorporating A Printer Assembly Ink Cartridge with Printhead Maintenance Station for Inkjet Printer
1434	USA	7431424	Granted	MODULAR PRINTHEAD WITH CLOSELY SPACED ROWS IN MEDIA FEED DIRECTION
1435	USA	7431425	Granted	INK SUPPLY ARRANGEMENT WITH IMPROVED INK FLOWS
1436	USA	7431427	Granted	Printhead Integrated Circuit With Planar Actuators
1437	USA	7431429	Granted	Self Passivating Transition Metal Nitride Printhead Heaters
1438	USA	7431431	Granted	PRINTHEAD THAT COMBINES INK FROM ADJACENT ACTUATORS
1439	USA	7431432	Granted	Thermal Ink Jet Printhead with Heater Element Current Flow Around Nozzle Axis
1440	USA	7431433	Granted	INK RESERVOIR WITH AIR BAG
1441	USA	7431440	Granted	System For Securely Refilling Inkjet Printer Cartridges
1442	USA	7431441	Granted	INK RESERVOIR WITH PRESSURE REGULATING VALVE
1443	USA	7431443	Granted	Web Printing System
1444	USA	7431446	Granted	Portable Electronic Device And Associated Charging Stand
1445	USA	7431519	Granted	A Printhead Assembly with a Controller for Predetermined Pattern Printing
1446	USA	7433073	Granted	Printer having Unevenly Controlled Printhead Modules with Shift Registers
1447	USA	7434910	Granted	Inkjet Printhead Chip with a Side-By-Side Nozzle Arrangement Layout
1448	USA	7434915	Granted	METHOD OF MODULATING PRINTHEAD PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
1449	USA	7438371	Granted	METHOD OF REMOVING FLOODED INK FROM A PRINTHEAD
1450	USA	7438381	Granted	METHOD OF MAINTAINING A PRINTHEAD USING CONTACT ANGLE HYSTERESIS
1451	USA	7438382	Granted	Printhead Assembly with Interconnected Printhead Modules
1452	USA	7438385	Granted	NOZZLE GUARD SUITABLE FOR REDIRECTING EJECTED INK DROPLETS
1453	USA	7438386	Granted	Printer Having Sprung Printed Circuit Board For Printhead Assembly
1454	USA	7438388	Granted	Printhead Module Assembly With A Flexible PCB
1455	USA	7438390	Granted	MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENT WITH NON-WICKING ROOF STRUCTURE FOR AN INKJET PRINTHEAD
1456	USA	7438391	Granted	PRINTHEAD CARTRIDGE HAVING CONSTANT NEGATIVE PRESSURE HEAD INK SUPPLY
1457	USA	7438399	Granted	METHOD OF MODULATING PRINTHEAD PEAK POWER REQUIREMENT USING OUT-OF-PHASE FIRING
1458	USA	7441862	Granted	METHOD OF SEALING NOZZLES ON A PRINTHEAD
1459	USA	7441863	Granted	METHOD OF MAINTAINING A PRINTHEAD USING A MAINTENANCE BELT WITH CLEANING STATION
1460	USA	7441864	Granted	Printhead Chip Having Longitudinal Ink Supply Channels
1461	USA	7441865	Granted	

Exhibit A, Page 45

	Country	Official No.	Case Status	Title
1462	USA	7441866	Granted	Print Media Air Drying Inkjet Printer
1463	USA	7441867	Granted	Inkjet Printhead Having A Pre-Determined Array Of Inkjet Nozzle Assemblies
1464	USA	7441870	Granted	Protection Of Nozzle Structures In A Liquid-Ejection Integrated Circuit Device
1465	USA	7441873	Granted	Printhead Assembly with Thermally Aligning Printhead Modules
1466	USA	7441875	Granted	Inkjet Printhead Having Rectilinear Actuated Ink Ejection Nozzles
1467	USA	7441876	Granted	Inkjet Printhead With Suspended Heater Elements
1468	USA	7441879	Granted	Unit Cell Of A Printhead For An Inkjet Printer
1469	USA	7441880	Granted	Common inkjet printer cradle for pagewidth printhead printer cartridge
1470	USA	7441882	Granted	INKJET PRINTER WITH PRINTHEAD CARTRIDGE LEVERED INTO OPERATIVE POSITION
1471	USA	7442317	Granted	METHOD OF FORMING A NOZZLE RIM
1472	USA	7445310	Granted	METHOD OF MAINTAINING PRINTHEAD IN AN OPERABLE CONDITION WITH PAD CLEANING ACTION
1473	USA	7445311	Granted	PRINTHEAD MAINTENANCE STATION HAVING MAINTENANCE BELT
1474	USA	7445317	Granted	INKJET PRINTHEAD WITH DROPLET STEM ANCHOR
1475	USA	7448551	Granted	Wallpaper Printer With Tethered Data Capture Device
1476	USA	7448707	Granted	Method Of Expelling Ink From Nozzles In Groups Starting At Outside Nozzles Of Each Group
1477	USA	7448720	Granted	PRINTHEAD ASSEMBLY COMPRISING WICKING ELEMENT
1478	USA	7448722	Granted	METHOD OF MAINTAINING PRINTHEAD IN AN OPERABLE CONDITION
1479	USA	7448723	Granted	PRINTHEAD MAINTENANCE STATION WITH PAD CLEANING ACTION
1480	USA	7448724	Granted	METHOD OF MAINTAINING A PRINTHEAD USING A MAINTENANCE BELT
1481	USA	7448725	Granted	An Inkjet Printhead Assembly That Incorporates An Ink Jet Capper
1482	USA	7448728	Granted	Nozzle Assembly Having A Sprung Electromagnetically Operated Plunger
1483	USA	7448729	Granted	Inkjet Printhead Heater Elements with Thin or Non-existent Coatings
1484	USA	7448734	Granted	Inkjet Printer Cartridge With Pagewidth Printhead
1485	USA	7448735	Granted	INK PRIMING ARRANGEMENT FOR INKJET PRINTHEAD
1486	USA	7448739	Granted	CONSTANT NEGATIVE PRESSURE HEAD INK SUPPLY ARRANGEMENT FOR INKJET PRINTHEAD
1487	USA	7448748	Granted	Cartridge With Ink Level Monitoring For A Pen-Like Modular Printing Device
1488	USA	7452052	Granted	PRINTHEAD MAINTENANCE ASSEMBLY HAVING MAINTENANCE BELT
1489	USA	7452055	Granted	PRINTING CARTRIDGE HAVING SELF-REFERENCING PRINTHEAD
1490	USA	7454617	Granted	Apparatus for Validating the Presence of an Authorized

Exhibit A, Page 46

	Country	Official No.	Case Status	Title
				Accessory
1491	USA	7455376	Granted	PRINthead SYSTEM FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING OUT-OF-PHASE FIRING
1492	USA	7455383	Granted	PRINthead MAINTENANCE STATION HAVING MAINTENANCE BELT WITH BELT-CLEANING STATION
1493	USA	7455390	Granted	Printhead Assembly With A Mounting Channel Having A Silicon Core
1494	USA	7455391	Granted	A PRINTING ASSEMBLY WITH MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENTS AND A CONVERGENT INK DISTRIBUTION ASSEMBLY
1495	USA	7455392	Granted	Printer Having Removably Mounted Modular Printhead And Drive Electronics
1496	USA	7456996	Granted	Method Of Processing Print Data Incorporating Obscuration Detection Between Layers
1497	USA	7457001	Granted	Half-Toner Compositor for Use in a Print Engine/Controller
1498	USA	7458659	Granted	PRINTER CONTROLLER FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
1499	USA	7460882	Granted	Mobile Phone With Camera Device And Internal Printhead
1500	USA	7461910	Granted	PRINTING SYSTEM HAVING POWER STORAGE PRINthead CARTRIDGE INTERFACE
1501	USA	7461914	Granted	Inkjet Printer Cartridge With Even Distribution Of Compressed Air
1502	USA	7461916	Granted	Inkjet Printer with Arcuately Moveable Simplex Print Head and Capping Mechanism
1503	USA	7461918	Granted	MICRO-ELECTROMECHANICAL INTEGRATED CIRCUIT DEVICE FOR FLUID EJECTION
1504	USA	7461919	Granted	Inkjet Printhead Assembly Having Selectively Capped Ink Delivery Channels
1505	USA	7461920	Granted	Support Assembly For A Pagewidth Printhead Module
1506	USA	7461921	Granted	METHOD OF REDIRECTING EJECTED INK DROPLETS
1507	USA	7461922	Granted	PRINTING SYSTEM HAVING POWER REGULATING PRINthead CARTRIDGE INTERFACE
1508	USA	7461923	Granted	INKJET PRINthead HAVING INKJET NOZZLE ARRANGEMENTS INCORPORATING DYNAMIC AND STATIC NOZZLE PARTS
1509	USA	7461924	Granted	Printhead Having Inkjet Actuators With Contractible Chambers
1510	USA	7461931	Granted	Method And Apparatus For Protecting A Print Engine Assembly From Print Media Pulling
1511	USA	7463373	Granted	CONTROLLER FOR AN INKJET PRINTER
1512	USA	7464465	Granted	METHOD OF FORMING LOW-STICTION NOZZLE PLATE FOR AN INKJET PRINthead
1513	USA	7464466	Granted	METHOD OF FABRICATING INKJET NOZZLE CHAMBERS HAVING FILTER STRUCTURES
1514	USA	7464547	Granted	THERMAL ACTUATORS
1515	USA	7465002	Granted	PRINTER HAVING CONTROLLERS FOR COMMON CONTROL OF PRINthead
1516	USA	7465005	Granted	Printer Controller With Dead Nozzle Compensation
1517	USA	7465007	Granted	Printhead With Segments And Compensation For

Exhibit A, Page 47

	Country	Official No.	Case Status	Title
1518	USA	7465010	Granted	Temperature Induced Misalignments NOZZLE ARRANGEMENT WITH A THERMAL ACTUATOR INCORPORATING HEAT SINKS
1519	USA	7465011	Granted	Thermal Bend Actuator Arrangement with a Diagnostic Sensor
1520	USA	7465012	Granted	MODULAR PRINthead ASSEMBLY WITH CAPPING DEVICES
1521	USA	7465013	Granted	Printhead Capping Mechanism Including Blotting Assembly
1522	USA	7465014	Granted	PRINthead CAPPING DEVICE WITH AN ELASTOMERIC SEAL
1523	USA	7465015	Granted	Capping System For Inkjet Print Head Assembly
1524	USA	7465016	Granted	Inkjet Printhead Having Modules With Displaced Inkjet Rows DOT-AT-A-TIME REDUNDANCY FOR MODULATING
1525	USA	7465017	Granted	PRINthead PEAK POWER REQUIREMENT Inkjet Printhead Incorporating Staggered Rows Of Nozzle
1526	USA	7465019	Granted	Arrangements PRINthead CARTRIDGE INTERFACE HAVING POWER
1527	USA	7465020	Granted	STORAGE A Inkjet Nozzle Assembly Incorporating Actuator Mechanisms Arranged To Effect Rectilinear Movement Of A Working
1528	USA	7465022	Granted	Member Micro-Electromechanical Ink Ejection Mechanism With
1529	USA	7465023	Granted	Electro-Magnetic Actuation
1530	USA	7465024	Granted	Inkjet Nozzle Assembly Incorporating s Fluidic Seal
1531	USA	7465025	Granted	Nozzle Arrangement with Nozzle having Dynamic and Static Ink Ejection Structures
1532	USA	7465026	Granted	Nozzle Arrangement With Thermally Operated Ink Ejection Piston
1533	USA	7465027	Granted	Nozzle Arrangement For A Printhead Integrated Circuit Incorporating A Lever Mechanism
1534	USA	7465028	Granted	Nozzle Assembly Having A Thermal Actuator With Active And Passive Beams
1535	USA	7465029	Granted	Radially Actuated Micro-Electromechanical Nozzle Arrangement
1536	USA	7465030	Granted	Nozzle Arrangement With A Magnetic Field Generator
1537	USA	7465032	Granted	PRINthead WITH INLET FILTER FOR INK CHAMBER
1538	USA	7465033	Granted	SELF-REFERENCING PRINthead ASSEMBLY
1539	USA	7465034	Granted	THERMAL INK JET PRINthead WITH CAVITATION GAP Thermal Ink Jet Printhead with Drive Circuitry on Opposing
1540	USA	7465035	Granted	Sides of Chamber Thermal Ink Jet Printhead with Bubble Nucleation Laterally
1541	USA	7465036	Granted	Offset from Nozzle
1542	USA	7465037	Granted	PRINthead WITH RECTIFYING VALVE AT INK CHAMBER INLET
1543	USA	7465041	Granted	INKJET PRINthead WITH INLET PRIMING FEATURE
1544	USA	7465042	Granted	METHOD OF PRIMING INKJET PRINthead PRINTER WITH INK CARTRIDGE FOR ENGAGING PRINthead
1545	USA	7465045	Granted	CARTRIDGE AND PRINTER BODY Mobile telecommunication device with a printhead and
1546	USA	7465047	Granted	media sheet position sensor

Exhibit A, Page 48

	Country	Official No.	Case Status	Title
1547	USA	7465405	Granted	Method Of Fabricating Printheads Having Multiple Nozzle Assemblies
1548	USA	7467836	Granted	Inkjet Printer Having Controller For Correcting Displaced Inkjet Nozzles
1549	USA	7467839	Granted	Printer Contoller With Equalised Data Supply Rate To Multi-Color Printhead ICS
1550	USA	7467842	Granted	Ink Jet Nozzle Assembly With Over-Actuation Detection
1551	USA	7467846	Granted	PRINthead MAINTENANCE SYSTEM COMPRISING FACE FLOODING SYSTEM AND INK TRANSPORT ASSEMBLY
1552	USA	7467848	Granted	INKJET PRINthead ASSEMBLY WITH AN INK RESERVOIR IN A MULTI-LAYERED SHELL
1553	USA	7467849	Granted	Printhead Incorporating A Static Pagewidth Printhead
1554	USA	7467850	Granted	NOZZLE ARRANGEMENT FOR A PRINthead
1555	USA	7467851	Granted	NOZZLE ARRANGEMENT WITH A MOVABLE ROOF STRUCTURE
1556	USA	7467852	Granted	INKJET PRINTER WITH PRINthead CARTRIDGE AND INK CARTRIDGE
1557	USA	7467853	Granted	CRADLE FOR PRINthead CARTRIDGE HAVING POWER REGULATION INTERFACE
1558	USA	7467854	Granted	Modular Ink Jet Printhead Assembly with Obliquely Overlapping Printheads
1559	USA	7467855	Granted	Inkjet Printhead Intergrated Circuit With Non-Buckling Heater Element
1560	USA	7467856	Granted	Inkjet Printhead with Common Plane of Symmetry for Heater Element and Nozzle
1561	USA	7467859	Granted	Pagewidth Printhead Assembly With Ink Distribution Arrangement
1562	USA	7467860	Granted	Ink Priming System For Inkjet Printhead
1563	USA	7467861	Granted	INK REFILL UNIT WITH INCREMENTAL INK EJECTION FOR A PRINT CARTRIDGE
1564	USA	7467863	Granted	INKJET PRINTER WITH DISENGAGEABLE MAINTENANCE STATION DRIVE COUPLING
1565	USA	7467903	Granted	Print Engine With End Moldings
1566	USA	7468139	Granted	Method of Depositing Heater Material Over A Photoresist Scaffold
1567	USA	7468140	Granted	METHOD OF PROTECTING NOZZLE GUARDED PRINthead DURING FABRICATION
1568	USA	7468808	Granted	Inkjet Printer With Retractable Support And Cover
1569	USA	7468810	Granted	Mobile Phone with Printhead and Ink Supply Module
1570	USA	7469983	Granted	Drop Size Control
1571	USA	7469987	Granted	MST Device for Attachment to an Adhesive Surface
1572	USA	7469989	Granted	Printhead Chip Having Longitudinal Ink Supply Channels Interrupted By Transverse Bridges
1573	USA	7469990	Granted	INKJET PRINTER WITH PRINthead CARTRIDGE AND CRADLE THAT INTERENGAGE VIA AN OVERCENTRE MECHANISM
1574	USA	7469995	Granted	Printhead Integrated Circuit having Suspended Heater Elements
1575	USA	7469996	Granted	Inkjet Printhead With Ink Inlet Offset From Nozzle Axis
1576	USA	7469997	Granted	Printhead Unit Cell Incorporating Suspended Looped Heater

Exhibit A, Page 49

	Country	Official No.	Case Status	Title Element
1577	USA	7469998	Granted	Printhead Assembly Having A Tri-Layer Outer Shell Of A Hot Rolled Laminate Of Two Different Metals
1578	USA	7470002	Granted	PRINTER HAVING SELF-REFERENCE MOUNTED PRINTHEAD Ink Jet Printhead With Active And Passive Nozzle Chamber
1579	USA	7470003	Granted	Structures Arrayed On A Substrate
1580	USA	7470005	Granted	Nozzle Arrangement With A Movement Sensor For An Inkjet Printer
1581	USA	7470006	Granted	Inkjet Printer with Cartridge Cradle having Interfaces for Refill Units
1582	USA	7470007	Granted	Method of Refilling a High Speed Print Engine
1583	USA	7470010	Granted	INKJET PRINTHEAD WITH MULTIPLE INK INLET FLOW PATHS
1584	USA	7470014	Granted	Print Media and Printing Fluid Cartridge of Digital Photofinishing System
1585	USA	7470019	Granted	Mobile telecommunications device with a capper movable between capping and uncapping positions by the printhead
1586	USA	7470020	Granted	Print Media And Printing Fluid Cartridge For Digital Photofinishing System
1587	USA	7470074	Granted	Web Printer With Straight Print Media Path
1588	USA	7471413	Granted	Method for Injecting Ink from a Printhead in a Predetermined Pattern
1589	USA	7472978	Granted	Printer Controller For Nozzle Displacement Correction
1590	USA	7472981	Granted	PRINTHEAD ASSEMBLY FOR MAINTAINING A PRINTHEAD IN AN OPERABLE CONDITION
1591	USA	7472984	Granted	Inkjet Chamber With Plurality Of Nozzles
1592	USA	7472989	Granted	Print media loading mechanism having displaceable endless belts.
1593	USA	7475961	Granted	EASY ASSEMBLY PAGEWIDTH PRINTHEAD CAPPING ARRANGEMENT
1594	USA	7475963	Granted	PRINTING CARTRIDGE HAVING COMMONLY MOUNTED PRINTHEAD AND CAPPER
1595	USA	7475965	Granted	Inkjet Printer With Low Droplet To Chamber Volume Ratio
1596	USA	7475976	Granted	PRINTHEAD WITH ELONGATE ARRAY OF NOZZLES AND DISTRIBUTED PULSE DAMPERS
1597	USA	7481518	Granted	Ink Jet Printhead Integrated Circuit With Surface-Processed Thermal Actuators
1598	USA	7481943	Granted	Method suitable for etching hydrophilic trenches in a substrate
1599	USA	7484831	Granted	Printhead Module Having Horizontally Grouped Firing Order
1600	USA	7484832	Granted	INKJET PRINTHEAD HAVING REVERSE INK FLOW PREVENTION
1601	USA	7484840	Granted	Transfer Roller Assembly For A Compact Printer
1602	USA	7484841	Granted	Mobile Web Printer
1603	USA	7488051	Granted	Monolithic inkjet printhead with high nozzle count
1604	USA	7488052	Granted	Cradle Unit Having an Electromagnetic Capper Actuation System
1605	USA	7490927	Granted	Refill Unit for Simultaneously Engaging with and Opening Inlet Valve to, an Ink Cartridge

Exhibit A, Page 50

	Country	Official No.	Case Status	Title
1606	USA	7491911	Granted	MEMS BUBBLE GENERATOR FOR LARGE STABLE VAPOR BUBBLES
1607	USA	7497555	Granted	INKJET NOZZLE ASSEMBLY WITH PRE-SHAPED ACTUATOR
1608	USA	7500268	Granted	Method of authenticating a print medium before printing
1609	USA	7506952	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD USING FILM TRANSFER
1610	USA	7506958	Granted	PRINTHEAD MAINTENANCE STATION
1611	USA	7506961	Granted	Printer with Serially Arranged Printhead Modules for Wide Format Printing
1612	USA	7506963	Granted	InkJet Printhead with planar heater parallel to nozzle
1613	USA	7506964	Granted	Inkjet Nozzle Arrangement having Ink Passivation
1614	USA	7506965	Granted	Inkjet Printhead Integrated Circuit With Work Transmitting Structures
1615	USA	7506968	Granted	Inkjet Printhead Integrated Circuit Having Nozzle Assemblies With A Bubble Collapse Point Close To Ink Ejection Aperture
1616	USA	7506969	Granted	Ink Jet Nozzle Assembly with Linearly Constrained Actuator
1617	USA	7509292	Granted	Authentication of Consumable Items
1618	USA	7510261	Granted	PRINTHEAD ASSEMBLY COMPRISING INK RESERVOIR CONTAINING CLEANING LIQUID
1619	USA	7510264	Granted	Inkjet Printer with Arcuately Moveable Simplex Printhead and Capping/Purging Mechanism
1620	USA	7510267	Granted	REDUCED STICTION PRINTHEAD SURFACE
1621	USA	7510268	Granted	PRINTHEAD ASSEMBLY WITH INTEGRATED CIRCUIT OPTIMISED FOR ADHESIVE BONDING
1622	USA	7510269	Granted	Thermal Ink Jet Printhead with Heater Element Having Non-Uniform Resistance
1623	USA	7510270	Granted	Thermal Ink Jet Printhead with Wide Heater Element
1624	USA	7513593	Granted	Inkjet Printer Assembly Having Controller Responsive To Cartridge Performance
1625	USA	7513598	Granted	Inkjet printer cradle with integrated reader circuit
1626	USA	7513603	Granted	PRINTHEAD ASSEMBLY WITH INK INLET VALVE
1627	USA	7513604	Granted	Nozzle Arrangement for an Inkjet Printhead with Static and Active Ink Ejection Structures
1628	USA	7513607	Granted	Inkjet Nozzle Arrangement With Annular Heater Element
1629	USA	7513610	Granted	Cover Assembly For A Print Engine With Push Rod For Actuating A Refill Unit
1630	USA	7513615	Granted	Inkjet Printer Unit Utilizing Image Reading Unit for Printed Media Collection
1631	USA	7517036	Granted	Printhead Module Capable Of Printing A Maximium Of N Channels Of Print Data
1632	USA	7517037	Granted	Method for Controlling Nozzle Firing in Overlapped Printhead Segments
1633	USA	7517046	Granted	Mobile telecommunications device with printhead capper that is held in uncapped position by media
1634	USA	7517049	Granted	Printhead Assembly having Printhead Module and Controller
1635	USA	7517050	Granted	Printer Cradle having Shock Absorption for Removable Print Cartridge

Exhibit A, Page 51

	Country	Official No.	Case Status	Title
1636	USA	7517053	Granted	Printhead Assembly With Nested Structure
1637	USA	7517055	Granted	Nozzle Arrangement for an Inkjet Printhead with Associated Actuator Drive Circuitry
1638	USA	7517057	Granted	NOZZLE ARRANGEMENT FOR AN INKJET PRINTHEAD THAT INCORPORATES A MOVEMENT TRANSFER MECHANISM.
1639	USA	7517071	Granted	PRINT ROLL UNIT WITH INK STORAGE CORE
1640	USA	7517080	Granted	Modular Printer System with Memory and Printer Modules
1641	USA	7517164	Granted	COMPUTER KEYBOARD WITH A PLANAR MEMBER AND ENDLESS BELT FEED MECHANISM
1642	USA	7518642	Granted	Method For Manipulating And Printing Captured Images
1643	USA	7519772	Granted	METHOD OF UPDATING IC CACHE
1644	USA	7520593	Granted	Nozzle Arrangement for an Inkjet Printhead Chip that Incorporates a Nozzle Chamber Reduction Mechanism
1645	USA	7520594	Granted	Inkjet Printer With Heater That Forms Symmetrical Bubbles
1646	USA	7523111	Granted	LABELLING OF SECRET INFORMATION
1647	USA	7524007	Granted	PRINTHEAD HAVING SEQUENCED NOZZLE FIRING
1648	USA	7524016	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
1649	USA	7524017	Granted	Printer Having Pivoted Capper For Duplexed Printheads
1650	USA	7524018	Granted	PRINTER CARTRIDGE WITH CAPPING SEAL SURROUNDING OROFICE SURFACE
1651	USA	7524021	Granted	Inkjet Printer Having Removably Constrained Printhead ICS
1652	USA	7524023	Granted	INK RESERVOIR WITH CONSTANT HYDROSTATIC PRESSURE OUTLET
1653	USA	7524026	Granted	Nozzle Assembly with Heat Deflected Actuator
1654	USA	7524027	Granted	Printhead Assembly With A Series Of Printhead Modules Mounted In A Carrier Of A Metal Alloy
1655	USA	7524028	Granted	Printhead Assembly having Laminated Printing Fluid Distributors
1656	USA	7524029	Granted	Inkjet Printhead with Pairs of Ink Spread Restriction Pits
1657	USA	7524030	Granted	Nozzle Arrangement With Heater Element Terminating In Oppositely Disposed Electrical Contacts
1658	USA	7524032	Granted	Inkjet Nozzle Assembly With Resistive Heating Actuator
1659	USA	7524033	Granted	Nozzle Arrangement With Movable Ink Ejection Structure
1660	USA	7524034	Granted	HEAT DISSIPATION WITHIN THERMAL INK JET PRINTHEAD
1661	USA	7524043	Granted	Refill Unit for Engaging with, and Closing the Outlet Valve from an Ink Storage Compartment
1662	USA	7524046	Granted	Printhead Assembly For A Web Printing System
1663	USA	7524047	Granted	Print Roll Cartridge With An Ink Supply Core For A Camera System
1664	USA	7525677	Granted	INKJET PRINTER HAVING IMAGE DECODING CONTROLLER
1665	USA	7527353	Granted	INK CARTRIDGE WITH SEALED AIR INLET
1666	USA	7527357	Granted	Inkjet Nozzle Array With Individual Feed Channel For Each Nozzle
1667	USA	7528972	Granted	Pagewidth Inkjet Printer for Duplex Printing with Transfer Rollers
1668	USA	7528987	Granted	A Printing and Display Device Incorporating a Multi-Sheet Feeder

Exhibit A, Page 52

	Country	Official No.	Case Status	Title
1669	USA	7530662	Granted	Driven Mechanism With An Air Compressor For A Printer Cradle Unit
1670	USA	7530663	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD USING A ROTATING ROLLER
1671	USA	7530665	Granted	Printhead Assembly with Ink Leakage Containment Walls
1672	USA	7530669	Granted	Printhead Module with a Micro-Electromechanical Integrated Circuit Configured to Eject Ink
1673	USA	7533877	Granted	High Speed Printer With Gas-Operated Sheet Feeding
1674	USA	7533951	Granted	METHOD OF GENERATING HALFTONE PRINT DATA FOR CONSECUTIVE PRINTHEAD SEGMENTS INCLUDING OVERLAPPING END PORTIONS
1675	USA	7533963	Granted	High Nozzle Density Printhead
1676	USA	7533964	Granted	Inkjet Printhead With Suspended Heater Mounted To Opposing Sides Of The Chamber
1677	USA	7533967	Granted	Nozzle Arrangement for an Inkjet Printer with Multiple Actuator Devices
1678	USA	7533968	Granted	Nozzle Arrangement With Sidewall Incorporating Heater Element
1679	USA	7533970	Granted	Inkjet Printhead Integrated Circuit With Suspended Heater Element Spaced From Chamber Walls
1680	USA	7533973	Granted	Inkjet Printer System With A Pair Of Motor Assemblies
1681	USA	7535599	Granted	Printing and Display Device Having a Media Path Adjacent a Flat Panel Display
1682	USA	7537297	Granted	Printer Controller For A MEMS-Based Page Width Inkjet Printer
1683	USA	7537301	Granted	WIDE FORMAT PRINT ASSEMBLY HAVING HIGH SPEED PRINTHEAD
1684	USA	7537309	Granted	Pagewidth Printhead Assembly Having an Improved Ink Distribution Structure
1685	USA	7537314	Granted	Inkjet Printhead Having Nozzle Arrangements With Ink Spreading Prevention Rims
1686	USA	7537315	Granted	Cradle Unit For A Print Engine Having A Maintenance Drive Assembly
1687	USA	7537316	Granted	INKJET PRINTHEAD HAVING LOW MASS EJECTION HEATER
1688	USA	7537317	Granted	Printhead Assembly with End-To-End Printhead Integrated Circuit Carriers
1689	USA	7537323	Granted	Printhead Assembly with an Ink Distribution Molding and a Composite IC Carrier
1690	USA	7537325	Granted	Inkjet Printer Incorporating a Print Medium Cartridge Storing a Roll of Print Medium
1691	USA	7540486	Granted	Printer Incorporating Interposed Air Expulsion and Air Suction Nozzles
1692	USA	7540487	Granted	Printer Incorporating Pick-up Assembly of Air Nozzles
1693	USA	7540488	Granted	Printer Incorporating Air Displacement Mechanism
1694	USA	7540579	Granted	Controller For Multi-Color, Multi-Length Printhead ICs
1695	USA	7540582	Granted	Method For Operating Inkjet Printer To Compensate For Printhead Damage
1696	USA	7540591	Granted	PRINTHEAD ASSEMBLY WITH LAMINAR PRINTHEAD SUPPORT

Exhibit A, Page 53

	Country	Official No.	Case Status	Title
				MEMBER
1697	USA	7540592	Granted	Micro-Electromechanical Nozzle Assembly With An Arcuate Actuator
1698	USA	7540601	Granted	Print Media And Multiple Printing Fluid Cartridge For Digital Photofinishing System
1699	USA	7540602	Granted	Inkjet Printer with a Protective Print Media Input Tray
1700	USA	7543808	Granted	Network Inkjet Printer Unit Having Multiple Media Input Trays
1701	USA	7543914	Granted	Thermal Printhead With Self-Preserving Heater Element
1702	USA	7543916	Granted	Printer With Low Voltage Vapor Bubble Generating Heaters
1703	USA	7543924	Granted	Printhead Assembly
1704	USA	7545251	Granted	Micro-Electromechanical Actuator
1705	USA	7547088	Granted	METHOD OF ASSEMBLING PAGERWIDTH PRINTHEAD CAPPING ARRANGEMENT
1706	USA	7547092	Granted	Method for facilitating the upgrade of an inkjet printer
1707	USA	7547093	Granted	Pagerwidth Printhead Thermal Assembly For Supporting Printhead Modules
1708	USA	7547095	Granted	Inkjet Printhead having an Array of Nozzles with External Actuators
1709	USA	7547098	Granted	Printing Fluid Supply Device
1710	USA	7549628	Granted	Printer Incorporating Opposed Printhead Assemblies
1711	USA	7549715	Granted	Printer Controller For Causing Expulsion Of Ink From Nozzles In Groups Starting At Outside Nozzles Of Groups
1712	USA	7549718	Granted	Printhead Module Having Operation Controllable On Basis Of Thermal Sensors
1713	USA	7549724	Granted	Printhead Assembly with Multi-Layered Support Structure
1714	USA	7549725	Granted	Ink Reservoir Assembly For A Pagerwidth Printhead
1715	USA	7549726	Granted	An Inkjet Printhead with a Wafer Assembly having an Array of Nozzle Arrangments
1716	USA	7549727	Granted	PRINTHEAD SYSTEM HAVING POWER AND DATA CONNECTORS
1717	USA	7549728	Granted	Micro-Electromechanical Ink Ejection Mechanism Utilizing Through-Wafer Ink Ejection
1718	USA	7549729	Granted	Inkjet Printhead For Minimizing Required Ink Drop Momentum
1719	USA	7549730	Granted	A PRINTHEAD ASSEMBLY INCORPORATING A TRI-LAYER LAMINATE SHELL
1720	USA	7549731	Granted	Inkjet Printer Having A Printhead With A Bi-Layer Thermal Actuator Coil
1721	USA	7549732	Granted	Printhead Having Nozzle Arrangements With Sealing Structures
1722	USA	7549735	Granted	INKJET PRINTHEAD WITH QUADRUPOLE ACTUATORS
1723	USA	7549738	Granted	INK REFILL UNIT FOR A NEGATIVELY PRESSURIZED INK RESERVOIR OF A PRINTER CARTRIDGE
1724	USA	7551324	Granted	PRINT ENGINE CONTROLLER FOR DRIVING A PRINTHEAD
1725	USA	7553001	Granted	Inkjet Printhead With Laterally Reciprocating Paddle
1726	USA	7556257	Granted	Printer Incorporating a Sheet Displacement Mechanism

Exhibit A, Page 54

	Country	Official No.	Case Status	Title
				having an Array of Spaced Apart Nozzles
1727	USA	7556331	Granted	Inkjet Printer Having Nozzle Displacement Correction
1728	USA	7556344	Granted	An Inkjet Printhead Comprising a Substrate Assembly and Volumetric Nozzle Assemblies
1729	USA	7556346	Granted	Laminated Pagewidth Printhead Thermal Support Assembly
1730	USA	7556347	Granted	Nozzle Arrangement With Pairs Of Actuators
1731	USA	7556348	Granted	An Inkjet Printhead Incorporating Nozzles Which, Together With Endless Walls, Define Nozzle Chambers
1732	USA	7556349	Granted	PRINthead ASSEMBLY HAVING REMOVABLE PRINthead MODULES
1733	USA	7556350	Granted	Thermal Inkjet Printhead With Low Power Consumption
1734	USA	7556351	Granted	Inkjet Printhead With Spillage Pits
1735	USA	7556352	Granted	Inkjet Printhead with Outwardly Extending Actuator Tails
1736	USA	7556353	Granted	PRINthead WITH SMALL DRIVE TRANSISTOR TO NOZZLE AREA RATIO
1737	USA	7556354	Granted	Nozzle Arrangement With Twin Heater Elements
1738	USA	7556355	Granted	Inkjet Nozzle Arrangement With Electro-Thermally Actuated Lever Arm
1739	USA	7556356	Granted	Inkjet Printhead Integrated Circuit With Ink Spread Prevention
1740	USA	7556357	Granted	Ink Jet Printhead With Nozzle Assemblies Having Fluidic Seals
1741	USA	7556358	Granted	Micro-Electromechanical Integrated Circuit Device with Laminated Actuators
1742	USA	7556359	Granted	Ink Refill Unit With A Working Outlet And Other Dummy Outlets
1743	USA	7556360	Granted	Inkjet Printer having Selectable Ink Distribution Channels to Printhead ICS
1744	USA	7556361	Granted	Ink Supply Unit Having A Cover Unit For Positioning Tape
1745	USA	7556364	Granted	Automated Bonded Film
1746	USA	7556369	Granted	INK CARTRIDGE WITH SELF SEALING OUTLET VALVE
1747	USA	7556370	Granted	Printer with set spacing between a print engine and an exit roller assembly.
1748	USA	7556446	Granted	Personal Digital Assistant With Print Cartridge Dock
1749	USA	7557941	Granted	Slitting Mechanism For Roll Media Printer
1750	USA	7562960	Granted	Use Of Variant And Base Keys With Three Or More Entities
1751	USA	7562962	Granted	Inkjet Printer Having Arcuately Moveable Printhead And Capping/Purging Member
1752	USA	7562963	Granted	Printhead For Use In Camera Photo-Printing
1753	USA	7562966	Granted	Pagewidth inkjet printhead assembly with nozzle arrangements having actuator arms configured to be in thermal balance when in a quiescent state.
1754	USA	7562967	Granted	Ink Jet Printhead With Suspended Heater Element
1755	USA	7562971	Granted	Printhead With A Two-Dimensional Array Of Reciprocating Ink Nozzles
1756	USA	7564580	Granted	Digital Photofinishing System Fluid Cartridge
1757	USA	7566106	Granted	Mobile Telephone with Printer and Print Media Dispenser.
				Refill Unit for Ink Cartridge in Printer with Ink Suitability

Exhibit A, Page 55

	Country	Official No.	Case Status	Title
				Verification
1758	USA	7566110	Granted	PRINthead MODULE FOR A WIDE FORMAT PAGEWIDTH INKJET PRINTER
1759	USA	7566111	Granted	PRINthead WITH MULTIPLE PRINthead INTEGRATED CIRCUITS HAVING ALIGNED NOZZLE ROWS
1760	USA	7566113	Granted	Inkjet Nozzle Incorporating Serpentine Actuator Inkjet Printer With A Pagewidth Printhead Having Nozzle Arrangements With An Actuating Arm Having Particular Dimension Proportions
1761	USA	7566114	Granted	
1762	USA	7566123	Granted	Double-Sided Printer Having Opposed Print Engines Print engine with printheads located proximal to a pinching zone.
1763	USA	7566125	Granted	Printhead that uses data track for print registration on print medium
1764	USA	7566182	Granted	
1765	USA	7567363	Granted	An Image Processing Method Incorporating Decompression
1766	USA	7568786	Granted	Printhead Assembly having Selected Drive Electronics
1767	USA	7568787	Granted	PRINthead INCLUDING SEAL MEMBRANE
1768	USA	7568788	Granted	PRINthead WITH BARRIER AT CHAMBER INLET Pagewidth Printhead With Nozzle Arrangements For Weighted Ink Drop Ejection
1769	USA	7568789	Granted	PRINthead INTEGRATED CIRCUIT WITH AN INK EJECTING SURFACE.
1770	USA	7568790	Granted	Nozzle Arrangement With A Top Wall Portion Having Etchant Holes Therein
1771	USA	7568791	Granted	A Printing and Display Device Incorporating a Replaceable Ink Cartridge
1772	USA	7570389	Granted	METHOD OF PRODUCING A PRINthead FOR AN INKJET PRINTER CONTROLLER
1773	USA	7571541	Granted	Printer with a Processor having Bused Decoding and Expansion Units
1774	USA	7571972	Granted	
1775	USA	7571983	Granted	Wide-Format Printer With A Pagewidth Printhead Assembly
1776	USA	7571988	Granted	VARIABLE-VOLUME NOZZLE ARRANGEMENT
1777	USA	7572000	Granted	Platen For A Print On Demand Digital Device
1778	USA	7573301	Granted	A TEMPERATURE BASED FILTER FOR AN ON-CHIP SYSTEM CLOCK
1779	USA	7575151	Granted	BINDING PRINTER HAVING STRAIGHT MEDIA PATH
1780	USA	7575297	Granted	METHOD OF UNBLOCKING NOZZLES IN A PRINthead INKJET PRINthead WITH INK SUPPLY PASSAGE TO NOZZLE ETCHED FROM OPPOSING SIDES OF WAFER
1781	USA	7575298	Granted	
1782	USA	7575313	Granted	Printing Cartridge Bearing Indicia Media Web Cartridge Removably Mountable To Printing System
1783	USA	7575316	Granted	
1784	USA	7578387	Granted	Tote for Wallpaper Roll having Foldable Handle
1785	USA	7578569	Granted	PRINthead WITH VARIABLE NOZZLE FIRING SEQUENCE
1786	USA	7578582	Granted	Inkjet Nozzle Chamber Holding Two Fluids
1787	USA	7581495	Granted	Wallpaper Printer With Cutter And Dryer Modules
1788	USA	7581812	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead

Exhibit A, Page 56

	Country	Official No.	Case Status	Title
				USING A LIQUID FOAM
1789	USA	7581814	Granted	Ink Channel Extrusion Module For A Pagewidth Printhead
1790	USA	7581815	Granted	Printhead Assembly With Two-Material Supporting Structure
1791	USA	7581816	Granted	Nozzle Arrangement With A Pivotal Wall Coupled To A Thermal Expansion Actuator
1792	USA	7581817	Granted	Inkjet Nozzle Assembly With A Raised Rim For Pinning A Meniscus Of Ink In A Nozzle Chamber
1793	USA	7581818	Granted	Pagewidth Inkjet Printhead With Ink Ejection Devices Having A Series Of Protrusions To Facilitate Ink Ejection
1794	USA	7581819	Granted	Ink Jet Nozzle Arrangement With Volumetric Ink Ejection Means
1795	USA	7581822	Granted	INKJET PRINTHEAD WITH LOW VOLTAGE INK VAPORIZING HEATERS
1796	USA	7581826	Granted	An Ink Reservoir
1797	USA	7581831	Granted	Printer Module Incorporating a Quartet of Co-Operating Rollers
1798	USA	7583979	Granted	Mobile Phone For Capturing And Printing Images
1799	USA	7585047	Granted	Nozzle Arrangement With Control Logic Architecture For An Ink Jet Printhead
1800	USA	7585050	Granted	PRINT ASSEMBLY AND PRINTER HAVING WIDE PRINTING ZONE
1801	USA	7585054	Granted	Inkjet Printhead with Integrated Circuit Mounted on Polymer Sealing Film
1802	USA	7585066	Granted	An Ink Supply Unit With A Baffle Arrangement
1803	USA	7585067	Granted	Modular Printer System With Pen-Shaped Structure
1804	USA	7587822	Granted	Method of Producing High Nozzle Density Printhead In-Situ
1805	USA	7587823	Granted	Method of Producing Pagewidth Printhead Structures In-Situ
1806	USA	7588301	Granted	Method for Controlling the Ink Refilling Procedure of a Print Engine
1807	USA	7588312	Granted	PRINTER HAVING RELATIVE ARCUATELY MOVEABLE SIMPLEX PRINTHEAD AND CAPPING AND PURGING MECHANISM
1808	USA	7588316	Granted	WIDE FORMAT PRINT ASSEMBLY HAVING HIGH RESOLUTION PRINTHEAD
1809	USA	7588319	Granted	Media Supply Cartridge Of A Roll-fed Printer
1810	USA	7588321	Granted	Inkjet Printhead With Low Loss Cmos Connections To Heaters
1811	USA	7588324	Granted	Ink Cartridge Having Enlarged End Reservoirs
1812	USA	7588327	Granted	Inkjet Printer with Cartridge Connected to Platen and Printhead Assembly
1813	USA	7588381	Granted	Method For Printing Wallpaper Using Pattern Collections
1814	USA	7591522	Granted	Adjusting Printing Parameters in Response to Printhead Feedback
1815	USA	7591523	Granted	PRINTHEAD IC WITH DE-ACTIVATABLE TEMPERATURE SENSOR AND MAINTENANCE MODE
1816	USA	7591528	Granted	Modular Printhead Assembly With Capping Mechanisms
1817	USA	7591529	Granted	Printhead Assembly That Incorporates A Printhead Module Retention Channel
1818	USA	7591533	Granted	Printhead Assembly with Print Media Guide

Exhibit A, Page 57

	Country	Official No.	Case Status	Title
1819	USA	7591534	Granted	WIDE FORMAT PRINT ASSEMBLY HAVING CMOS DRIVE CIRCUITRY
1820	USA	7591539	Granted	Inkjet Printhead With Narrow Printing Zone
1821	USA	7591540	Granted	Ink Ejection Arrangement Having Cooperating Chamber Wall Edge Portions And Paddle Edge Portions
1822	USA	7591541	Granted	Nozzle Arrangement Having An Actuator Slot Protection Barrier To Reduce Ink Wicking
1823	USA	7592829	Granted	ON-CHIP STORAGE OF SECRET INFORMATION AS INVERSE PAIR
1824	USA	7594713	Granted	Inkjet Printer With Unit Cells Having Suspended Heater Elements
1825	USA	7597314	Granted	AIR-BASED PICKER ASSEMBLY FOR A PRINTER
1826	USA	7597421	Granted	Method For Assembling A Modular Printhead Assembly
1827	USA	7597423	Granted	Printhead Chip With High Nozzle Areal Density
1828	USA	7597425	Granted	INKJET PRINTHEAD WITH MULTIPLE HEATER ELEMENTS IN PARALLEL
1829	USA	7597431	Granted	INKJET PRINTHEAD HAVING A NOZZLE PLATE
1830	USA	7597435	Granted	Ink Supply Unit For An Ink Jet Printer
1831	USA	7600843	Granted	Printer Controller For Controlling A Printhead Module Based On Thermal Sensing
1832	USA	7604314	Granted	An Inkjet Printhead Assembly having Printhead Modules with Nested Ends
1833	USA	7604321	Granted	THERMAL INKJET PRINTHEAD WITH DE-CLOG FIRING MODE
1834	USA	7604322	Granted	Photofinishing System with Drier
1835	USA	7604323	Granted	Printhead Nozzle Arrangement With A Roof Structure Having A Nozzle Rim Supported By A Series Of Struts
1836	USA	7604325	Granted	Inkjet Printhead With Reciprocating Actuator
1837	USA	7604334	Granted	INK SUPPLY SYSTEM WITH HAMMER MECHANISM FOR VARIABLE PURGE VOLUME/PRESSURE
1838	USA	7605009	Granted	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
1839	USA	7607755	Granted	METHOD OF MAINTAINING A PRINTHEAD USING A MAINTENANCE ROLLER
1840	USA	7607756	Granted	Printhead Assembly for a Wallpaper Printer
1841	USA	7607757	Granted	Printer Controller For Supplying Dot Data to at least One Printhead module having Faulty Nozzle
1842	USA	7607774	Granted	Mobile telecommunications device with a printhead and single media feed roller
1843	USA	7607826	Granted	Thermoelastic Device With Preselected Resistivity, Inertness And Deposition Characteristics
1844	USA	7609397	Granted	Modular Printer System With Logically And Physically Interconnected Modules
1845	USA	7609405	Granted	Central Processor Integrated Circuitry For A Print Controller Of A Pagewidth Printhead
1846	USA	7610163	Granted	Method Of Controlling Quality For A Print Controller
1847	USA	7611215	Granted	Inkjet Printer System Having Equalised Control Of Multi-Length Printhead ICS
1848	USA	7611218	Granted	Inkjet Printhead that Prints Keep-Wet Dots to Avoid Clogging

Exhibit A, Page 58

	Country	Official No.	Case Status	Title
1849	USA	7611220	Granted	PRINthead AND METHOD FOR CONTOLLING PRINT QUALITY USING PRINthead TEMPERATURE
1850	USA	7611223	Granted	CRADLE UNIT HAVING PRINthead MAINTENANCE AND WIPING ARRANGEMENTS FOR A PRINT ENGINE
1851	USA	7611225	Granted	Inkjet Nozzle Assembly Having Thermal Bend Actuator With An Active Beam Defining Part Of An Exterior Surface Of A Nozzle Chamber Roof
1852	USA	7611226	Granted	Thermal Printhead With Heater Element And Nozzle Sharing Common Plane Of Symmetry
1853	USA	7611227	Granted	NOZZLE ARRANGEMENT FOR A PRINthead INTEGRATED CIRCUIT
1854	USA	7611234	Granted	Ink Refill Cartridge With An Internal Spring Assembly For A Printer
1855	USA	7611237	Granted	Cabinet For A Web Printing System
1856	USA	7611239	Granted	PRINTER HAVING CODED CAPPING MECHANISM
1857	USA	7614724	Granted	Printhead Assembly with Dual Power Input
1858	USA	7618104	Granted	Computer Monitor Having Flat Panel Display And Printhead
1859	USA	7618107	Granted	Printer With Rotated Ejection Nozzle Correction
1860	USA	7618109	Granted	Method Of Operating A Thermal Bend Actuator
1861	USA	7618110	Granted	INKJET PRINthead WITH OVERLAPPING SEGMENTS AND TEMPERATURE SENSORS
1862	USA	7618121	Granted	Compact Printhead Assembly
1863	USA	7618122	Granted	A Modular Printhead Assembly With Releasable Printhead Modules
1864	USA	7618124	Granted	Thermal Bend Actuator Comprising Porous Material
1865	USA	7618125	Granted	PRINthead INTEGRATED CIRCUIT WITH VAPOR BUBBLES OFFSET FROM NOZZLE AXIS
1866	USA	7618126	Granted	PRINTER HAVING SELF-REFERENCE MOUNTED PRINTING CARTRIDGE
1867	USA	7618127	Granted	PRINTER SYSTEM HAVING PLANAR BUBBLE NUCLEATING HEATER ELEMENTS
1868	USA	7618842	Granted	METHOD OF APPLYING ENCAPSULANT TO WIRE BONDS
1869	USA	7621607	Granted	Print Media Cartridge For A Camera
1870	USA	7621620	Granted	Inkjet Printer Unit Having a High Speed Print Engine
1871	USA	7625061	Granted	Printhead Integrated Circuit Having An Ink Ejection Member With A Laminated Structure
1872	USA	7625067	Granted	NOZZLE ASSEMBLY FOR AN INKJET PRINTER HAVING A SHORT DRIVE TRANSISTOR CHANNEL
1873	USA	7625068	Granted	SPACING OF NOZZLES OF A PRINthead OF AN INKJET PRINTER
1874	USA	7628468	Granted	Nozzle With Reciprocating Plunger
1875	USA	7628471	Granted	INKJET HEATER WITH HEATER ELEMENT SUPPORTED BY SLOPED SIDES WITH LESS RESISTANCE
1876	USA	7628557	Granted	Web Printer for Printing a Pattern According to a Sample
1877	USA	7631190	Granted	Use Of Variant And Base Keys With Two Entities
1878	USA	7631427	Granted	METHOD OF PRODUCING ENERGY EFFICIENT PRINthead IN-SITU
1879	USA	7631956	Granted	INK JET PRINthead WITH GLASS NOZZLE CHAMBERS

Exhibit A, Page 59

	Country	Official No.	Case Status	Title
1880	USA	7631957	Granted	Pusher Actuation In A Printhead Chip For An Inkjet Printhead Ink Cartridge For A Computer System Having An Integral Printer
1881	USA	7631961	Granted	METHOD OF ASSEMBLING PRINTER MEDIA TRANSPORT ARRANGEMENT
1882	USA	7632032	Granted	An Inkjet Nozzle Device With Cantilevered Actuating Arm
1883	USA	7635177	Granted	Nozzle Apparatus For An Inkjet Printhead With A Solenoid Piston
1884	USA	7635178	Granted	PHOTO PRINTER FOR PRINTING 6" X 4" PHOTOS
1885	USA	7637582	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
1886	USA	7637588	Granted	Printhead With Low Viscous Drag Droplet Ejection
1887	USA	7637593	Granted	AN INK JET NOZZLE ARRANGEMENT WITH A SEGMENTED ACTUATOR NOZZLE CHAMBER COVER
1888	USA	7637594	Granted	Nozzle Arrangement For An Inkjet Printhead Having An Ejection Actuator And A Refill Actuator
1889	USA	7637595	Granted	PRINTER WITH INK FLOW SHUTOFF VALVE
1890	USA	7637602	Granted	Cellular Phone Charging Stand
1891	USA	7637677	Granted	Substrate Preparation Method For A Mems Fabrication Process
1892	USA	7638349	Granted	Page Expansion And Printing Method Incorporating Halftoning And Compositing
1893	USA	7639397	Granted	PRINthead MAINTENANCE SYSTEM COMPRISING FOAMING SYSTEM AND FOAM TRANSPORT ASSEMBLY
1894	USA	7641304	Granted	Printhead Micro-Electromechanical Nozzle Arrangement With A Motion-Transmitting Structure.
1895	USA	7641314	Granted	Printhead With Reciprocating Cantilevered Thermal Actuators
1896	USA	7641315	Granted	Modular Printed Circuit Board Assembly For A Pagewidth Printer
1897	USA	7645005	Granted	Print Engine Controller For Receiving Dot Data
1898	USA	7645011	Granted	Mobile telecommunication device with a printhead, a capper and a locking mechanism for holding the capper in an uncapped position during printing
1899	USA	7645022	Granted	PRINTER HAVING CAPPING SYSTEM FOR PRINthead ASSEMBLY
1900	USA	7645023	Granted	Inkjet printer cartridge with two printhead integrated circuits
1901	USA	7645025	Granted	INKJET PRINthead WITH MULTI-NOZZLE CHAMBERS
1902	USA	7645026	Granted	Ink Ejection Nozzle With A Paddle Having A Series Of Protrusions To Reduce Outward Ink Flow
1903	USA	7645028	Granted	Inkjet Printhead Nozzle Arrangement Having Non-Coincident Electrodes
1904	USA	7645029	Granted	INK RESERVOIR WITH AUTOMATIC AIR VENT
1905	USA	7645033	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
1906	USA	7645034	Granted	Method Of Printing A Compressed Image Having Bi-Level Black Contone Data Layers
1907	USA	7646511	Granted	PRINthead MAINTENANCE STATION COMPRISING MAINTENANCE ROLLER AND INK REMOVAL SYSTEM
1908	USA	7648222	Granted	METHOD OF CAPPING PRINthead ASSEMBLY
1909	USA	7648223	Granted	

Exhibit A, Page 60

	Country	Official No.	Case Status	Title
1910	USA	7648226	Granted	Printhead Assembly Having Interconnected Printhead Modules
1911	USA	7648294	Granted	Modular Printer With A Print Media Drying Housing
1912	USA	7649647	Granted	Printer Controller For A High-Speed Printer
1913	USA	7649648	Granted	Duplex Printer With Motorized Platen Assemblies
1914	USA	7654628	Granted	SIGNALING METHOD FOR PRINthead INKJET PRINthead HAVING OPTIMAL NUMBER OF PRINthead MODULES AND NOZZLE ROWS FOR OUT-OF- PHASE PRINTING
1915	USA	7654636	Granted	
1916	USA	7654638	Granted	Modular Inkjet Printhead With Mating Formations PRINthead WITH DRIVE CIRCUITRY COMPONENTS ADJACENT THE PRINthead IC
1917	USA	7654640	Granted	Inkjet Nozzle Assembly Having Moving Roof Portion Defined By a Thermal Bend Actuator Having a Plurality of Cantilever Beams
1918	USA	7654641	Granted	Printer Unit Incorporating An Integrated Print Roll And Ink Supply Unit
1919	USA	7654642	Granted	Inkjet Printhead Nozzle Assembly Having A Raised Rim To Support An Ink Meniscus
1920	USA	7654643	Granted	PRINthead NOZZLE ARRANGEMENTS HAVING VARIABLE VOLUME NOZZLE CHAMBER
1921	USA	7654644	Granted	
1922	USA	7654645	Granted	MEMS BUBBLE GENERATOR METHOD OF EJECTING DROPS FROM PRINthead WITH PLANAR BUBBLE NUCLEATING HEATER ELEMENTS
1923	USA	7654647	Granted	
1924	USA	7654761	Granted	Photofinishing System Having Media Roll Slitter
1925	USA	7657488	Granted	Validating Apparatus Having Encryption Integrated Circuits
1926	USA	7658459	Granted	INKJET PRINthead INTEGRATED CIRCUIT PRINthead MAINTENANCE ASSEMBLY COMPRISING FIRST AND SECOND ROLLERS
1927	USA	7658463	Granted	System For Priming A Cartridge Having An Ink Retaining Member
1928	USA	7658466	Granted	
1929	USA	7658467	Granted	Printhead Assembly Laminated Ink Distribution Stack Printhead System With Substrate Channel Supporting Printhead and Ink Hose
1930	USA	7658472	Granted	
1931	USA	7658473	Granted	Inkjet Printhead With Arcuate Actuator Path Print Engine With A Refillable Printer Cartridge With Ink Refill Ports
1932	USA	7658479	Granted	PRINthead ASSEMBLY WITH SHUT OFF VALVE FOR ISOLATING THE PRINthead
1933	USA	7658482	Granted	
1934	USA	7658483	Granted	Ink Storage Compartment With Bypass Fluid Path Structures
1935	USA	7658484	Granted	METHOD OF PRIMING PAGEWIDTH INKJET PRINthead METHOD OF FABRICATING INKJET PRINthead HAVING PLANAR NOZZLE PLATE
1936	USA	7658977	Granted	
1937	USA	7659141	Granted	WIRE BOND ENCAPSULANT APPLICATION CONTROL
1938	USA	7660998	Granted	RELATIVELY UNIQUE ID IN INTEGRATED CIRCUIT Printing and Display Device Incorporating at Least Two Printheads
1939	USA	7661779	Granted	

Exhibit A, Page 61

	Country	Official No.	Case Status	Title
1940	USA	7661792	Granted	Thermoelastic Inkjet Actuator With Heat Conductive Pathways
1941	USA	7661793	Granted	Inkjet Nozzle With Individual Ink Feed Channels Etched From Both Sides Of Wafer
1942	USA	7661795	Granted	Inkjet Nozzle Device With Static And Movable Nozzle Portions
1943	USA	7661796	Granted	NOZZLE ASSEMBLY FOR EJECTING SMALL DROPLETS
1944	USA	7661797	Granted	PRINthead OF AN INKJET PRINTER HAVING DENSELY SPACED NOZZLES
1945	USA	7661800	Granted	INKJET PRINthead WITH MULTIPLE HEATER ELEMENTS AND CROSS BRACING
1946	USA	7661803	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
1947	USA	7661812	Granted	Printer Unit For Assembly With Image Reader Unit
1948	USA	7665832	Granted	PRINTER HAVING SELF-REFERENCING PRINthead
1949	USA	7665836	Granted	Method Of Drying Printed Media
1950	USA	7669751	Granted	METHOD OF FORMING LOW PROFILE WIRE BONDS BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
1951	USA	7669950	Granted	ENERGY CONTROL OF A NOZZLE OF AN INKJET PRINthead
1952	USA	7669951	Granted	LOW ENERGY CONSUMPTION NOZZLE ASSEMBLY FOR AN INKJET PRINTER
1953	USA	7669952	Granted	PRINthead INTEGRATED CIRCUIT ASSEMBLY WITH COMPENSATION CONTROLLER.
1954	USA	7669955	Granted	INKJET PRINthead WITH TEMPERATURE ZONES
1955	USA	7669956	Granted	TEMPERATURE REGULATED INKJET PRINthead
1956	USA	7669957	Granted	METHOD OF REMOVING FLOODED INK FROM A PRINthead USING A ROTATING ROLLER
1957	USA	7669958	Granted	PRINthead CARTRIDGE COMPRISING INTEGRAL PRINthead
1958	USA	7669961	Granted	MAINTENANCE STATION WITH MAINTENANCE ROLLER
1959	USA	7669964	Granted	Print Engine for an Inkjet Printer
1960	USA	7669965	Granted	An Ink Supply Unit for a Printhead in an Inkjet Printer
1961	USA	7669967	Granted	Alignment Mechanism For A Printhead Module
1962	USA	7669970	Granted	PRINthead HAVING HYDROPHOBIC POLYMER COATED ON INK EJECTION FACE
1963	USA	7669971	Granted	Ink Nozzle Unit Exploiting Magnetic Fields
1964	USA	7669972	Granted	Inkjet Printer With Low Nozzle To Chamber Cross-Section Ratio
1965	USA	7669973	Granted	PRINthead HAVING SUSPENDED HEATER ELEMENTS
1966	USA	7669974	Granted	Printhead Having Nozzle Arrangements With Radial Actuators
1967	USA	7669976	Granted	NOZZLE ASSEMBLY WITH LEVER ARM AND THERMAL BEND ACTUATOR
1968	USA	7669977	Granted	Ink Drop Ejection Device With Non-Buckling Heater Element
1969	USA	7669979	Granted	NOZZLE DEVICE WITH EXPANSIVE CHAMBER-DEFINING LAYER
1970	USA	7669980	Granted	INKJET PRINthead WITH AN INK CHAMBER HAVING A MOVABLE CIRCULAR PADDLE DEFINING AN ANNULAR APERTURE
1971	USA	7669996	Granted	PRINthead HAVING LOW ENERGY HEATER ELEMENTS
				Inkjet Printer With Elongate Array Of Nozzles And Distributed

Exhibit A, Page 62

	Country	Official No.	Case Status	Title
				Pulse Dampers
1972	USA	7672012	Granted	Display Device For Use As A Computer Monitor, Having A
1973	USA	7673966	Granted	Printer Controller And A Pagewidth Printhead
				Printhead Assembly With Printhead IC Tiles
1974	USA	7673967	Granted	MODULAR PRINTER ASSEMBLY WITH A LOADING
				MECHANISM
1975	USA	7674082	Granted	Wall Mountable Printer With A Glue Applicator Assembly And
				A Binder Assembly
1976	USA	7677682	Granted	Modular Printer With Substantially Identical Duplexed
				Printhead Assemblies
1977	USA	7677685	Granted	NOZZLE ASSEMBLY FOR AN INKJET PRINTER FOR EJECTING A
				LOW VOLUME DROPLET
1978	USA	7677686	Granted	HIGH NOZZLE DENSITY PRINthead EJECTING LOW DROP
1979	USA	7677687	Granted	VOLUMES
				Printer Including Overlapping Elongate Printheads
1980	USA	7677692	Granted	Cradle Unit For Receiving A Print Cartridge To Form A Print
				Engine
1981	USA	7677698	Granted	Modular Printhead Assembly with Reservoir Mounted
1982	USA	7677699	Granted	Printhead Modules
				Air Expulsion Arrangement For Printhead Assembly
1983	USA	7677702	Granted	Inkjet Printhead Comprising Bonded Heater Element And
1984	USA	7677703	Granted	Dielectric Layer With Low Thermal Product
1985	USA	7677704	Granted	Thermal Inkjet with Multiple Drop Volumes per Nozzle
				Printhead Unit Cell Having Welled Heater Element
1986	USA	7681876	Granted	PRINTER HAVING DISENGAGEABLY GEAR DRIVEN MEDIA
				PICK-UP ROLLER
1987	USA	7681967	Granted	Ink Refill Unit Having Control Information Stored Thereon to
1988	USA	7681970	Granted	Control the Refilling Process
1989	USA	7685423	Granted	SELF INITIALISING PRINthead IC
1990	USA	7685424	Granted	Validation Protocol and System
				Validating Untrusted Objects and Entities
1991	USA	7686416	Granted	Print Engine Assembly Having A Rotatable Platen Providing
				Different Functional Operations
1992	USA	7686419	Granted	METHOD OF MAINTAINING A PRINthead USING A ROLLER
				ACTION
1993	USA	7686425	Granted	PRINthead ASSEMBLY WITH SYMMETRICAL TRI-LAYER
				OUTER SHELL LAMINATE
1994	USA	7686427	Granted	Nozzle Arrangement For An Inkjet Printer Configured To
				Minimize Thermal Losses
1995	USA	7686429	Granted	THERMAL INK JET PRINthead WITH LOW RESISTANCE
				ELECTRODES FOR HEATERS
1996	USA	7686430	Granted	PRINTER SYSTEM HAVING WIDE HEATER ELEMENTS IN
				PRINthead
1997	USA	7686437	Granted	Cradle Unit For Receiving A Print Cartridge To Form A Print
				Engine
1998	USA	7686439	Granted	Print Engine Cartridge Incorporating A Post Mounted
1999	USA	7686440	Granted	Maintenance Assembly
				Ink Storage Module With A Valve Insert To Facilitate Refilling

Exhibit A, Page 63

	Country	Official No.	Case Status	Title
2000	USA	7686446	Granted	Vertical Desktop Printer
2001	USA	7690747	Granted	Inkjet Printer Assembly With A Controller For Detecting A Performance Characteristic Of A Printer Cartridge
2002	USA	7690748	Granted	Method Of Printing With A Personal Computer And Connected Printer
2003	USA	7690761	Granted	INKJET PRINTHEAD ASSEMBLY WITH PRINTHEAD SEGMENT CRADLE MEMBER
2004	USA	7690764	Granted	Modular Printhead With Consecutive Printhead Modules Display Device Configured Such That An Edge Of Print Media Is Visible Above An Upper Edge Of The Device
2005	USA	7692815	Granted	Test Circuitry For A Printhead Nozzle Arrangement
2006	USA	7695091	Granted	Nozzle Device With Movement Sensor
2007	USA	7695092	Granted	METHOD OF REMOVING FLOODED INK FROM A PRINTHEAD USING A DISPOSABLE SHEET
2008	USA	7695093	Granted	PRINTHEAD MAINTENANCE STATION HAVING ROLLER PAD
2009	USA	7695097	Granted	PRINTHEAD MAINTENANCE SYSTEM COMPRISING DISPOSABLE SHEET FEED
2010	USA	7695098	Granted	Thin Nozzle Layer Printhead
2011	USA	7695106	Granted	FLUID-EJECTING INTEGRATED CIRCUIT UTILIZING ELECTROMAGNETIC DISPLACEMENT
2012	USA	7695108	Granted	Printhead Having Laminated Ejection Fluid Distributors
2013	USA	7695109	Granted	Method Of Refilling A Printing Unit
2014	USA	7695121	Granted	INK SUPPLY SYSTEM WITH ACTIVE PRESSURE CONTROL
2015	USA	7695123	Granted	Reservoir Assembly For A Pagewidth Printhead Cartridge
2016	USA	7695125	Granted	WIDE FORMAT PRINTER HAVING ALTERNATIVE PRINT ZONE ARRANGEMENT
2017	USA	7695204	Granted	METHOD OF MAINTAINING A PRINTHEAD USING A MAINTENANCE ROLLER AND INK REMOVAL SYSTEM
2018	USA	7699433	Granted	MOUNTED ON A CHASSIS
2019	USA	7699440	Granted	INKJET PRINTHEAD WITH HEATER ELEMENT CLOSE TO DRIVE CIRCUITS
2020	USA	7699446	Granted	INK REFILL UNIT WITH INCREMENTAL MILLILITRE INK EJECTION FOR PRINT CARTRIDGE
2021	USA	7699447	Granted	INK REFILL UNIT WITH CONTROLLED INCREMENTAL INK EJECTION FOR PRINT CARTRIDGE
2022	USA	7699448	Granted	INK REFILL UNIT WITH THREADED INCREMENTAL INK EJECTION FOR PRINT CARTRIDGE
2023	USA	7702926	Granted	Decoy Device In An Integrated Circuit
2024	USA	7703875	Granted	PRINTING NOZZLE ARRANGEMENT HAVING MOVEMENT SENSOR
2025	USA	7703882	Granted	METHOD OF PURGING USING PURGING INK AND PRINTING USING PRINTING INK FROM AN INKJET PRINTHEAD
2026	USA	7703884	Granted	PRINTHEAD ASSEMBLY WITH SUPPORT PERMITTING FASTENING OF PCB EXTERNAL THERETO
2027	USA	7703885	Granted	CRADLE UNIT WHICH ELECTROMAGNETICALLY OPERATES PRINTHEAD CAPPER
2028	USA	7703886	Granted	Printhead Assembly With Pagewidth Ink And Data

Exhibit A, Page 64

	Country	Official No.	Case Status	Title
				Distribution
2029	USA	7703888	Granted	Nozzle Arrangement For An Inkjet Printhead With A Diffusion Barrier
2030	USA	7703890	Granted	Printhead With Backflow Resistant Nozzle Chambers
2031	USA	7703892	Granted	Printhead Integrated Circuit Having Suspended Heater Elements
2032	USA	7703900	Granted	INK PRESSURE REGULATOR USING AIR BUBBLES DRAWN INTO INK
2033	USA	7703901	Granted	Printhead Ink Supply System Comprising Ink Pressure Regulator
2034	USA	7703903	Granted	Ink reservoir for inkjet printhead
2035	USA	7707621	Granted	CREATION AND USAGE OF MUTUALLY EXCLUSIVE MESSAGES
2036	USA	7708372	Granted	Inkjet Nozzle With Ink Feed Channels Etched From Back Of Wafer
2037	USA	7708375	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD USING A DISPOSABLE SHEET
2038	USA	7708380	Granted	A Printhead Module for an Inkjet Printhead Assembly Incorporating a Printhead Integrated Circuit
2039	USA	7708381	Granted	FLUID EJECTION DEVICE WITH RESISTIVE ELEMENT CLOSE TO DRIVE CIRCUITS
2040	USA	7708382	Granted	Inkjet Nozzle Arrangement Incorporating Thermal Differential Actuation
2041	USA	7708386	Granted	Inkjet Nozzle Arrangement Having Interleaved Heater Elements
2042	USA	7708387	Granted	PRINTHEAD WITH MULTIPLE ACTUATORS IN EACH CHAMBER
2043	USA	7708391	Granted	Inkjet Printer Cartridge Refill Dispenser With Plunge Action
2044	USA	7708392	Granted	Refill Unit For Engaging With Ink Storage Compartment, And Fluidically Isolating Printhead
2045	USA	7712859	Granted	PRINTHEAD WITH MULTIPLE NOZZLES SHARING SINGLE NOZZLE DATA
2046	USA	7712866	Granted	Method For Assembling A Modular Printhead Assembly
2047	USA	7712867	Granted	PRINTHEAD ASSEMBLY WITH A FLEXIBLE EXTRUSION
2048	USA	7712868	Granted	Printer Assembly Having A Support Frame For Supporting A Printhead Arrangement
2049	USA	7712869	Granted	INKJET PRINTHEAD WITH CONTROLLED DROP MISDIRECTION
2050	USA	7712872	Granted	Inkjet Nozzle Arrangement With A Stacked Capacitive Actuator
2051	USA	7712876	Granted	INKJET PRINTHEAD WITH OPPOSING ACTUATOR ELECTRODE POLARITIES
2052	USA	7712880	Granted	Valve Assembly With A Pressure Regulator For A Printhead Cartridge
2053	USA	7712882	Granted	AN INK CARTRIDGE UNIT WITH INK SUSPENSION
2054	USA	7712884	Granted	CHARACTERISTICS FOR AN INKJET PRINTER
2055	USA	7712886	Granted	HIGH DENSITY THERMAL INK JET PRINTHEAD
2056	USA	7715049	Granted	Composite Heating System For Use In A Web Printing System
2057	USA	7716098	Granted	An Image Processing Module For A Pen-Shaped Printer
				Method And Apparatus For Reducing Optical Emissions In An Integrated Circuit

Exhibit A, Page 65

	Country	Official No.	Case Status	Title
2058	USA	7717538	Granted	Inkjet Printer With Capping Mechanism For Printhead Assembly
2059	USA	7717542	Granted	Inkjet Chamber With Plurality Of Nozzles And Shared Actuator
2060	USA	7717543	Granted	PRINthead INCLUDING A LOOPED HEATER ELEMENT ASSEMBLER FOR ASSEMBLING A CARRIER FOR PRINthead INTEGRATED CIRCUITS
2061	USA	7721420	Granted	METHOD OF FABRICATING A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM
2062	USA	7721441	Granted	Printing System Having Contolled Multi-Length Printhead ICS
2063	USA	7722146	Granted	METHOD OF CLEANING A PRINthead USING CLEANING LIQUID
2064	USA	7722153	Granted	INK SUPPLY SYSTEM WITH SEPARATE PURGING RESERVOIR
2065	USA	7722156	Granted	METHOD OF LOCATING PRINthead ON PRINTER
2066	USA	7722161	Granted	Ink Jet Printing Assembly With Printhead Modules And Ink Delivery Member
2067	USA	7722162	Granted	PRINthead IC WITH CLOCK RECOVERY CIRCUIT
2068	USA	7722163	Granted	An Inkjet Printhead Incorporating Coincident Groups Of Ink Apertures
2069	USA	7722168	Granted	Inkjet Printhead With Elongate Chassis Defining Ink Supply Apertures
2070	USA	7722169	Granted	Ink Pressure Regulator Using Air Bubbles Drawn Into Headspace
2071	USA	7722170	Granted	Printing Cartridge with Radio Frequency Identification
2072	USA	7722172	Granted	PRINT CARTRIDGE OF PHOTOFINISHING SYSTEM HAVING DRYER
2073	USA	7722175	Granted	CRADLE FOR PRINthead CARTRIDGE HAVING POWER STORAGE INTERFACE
2074	USA	7722185	Granted	Printer With Binding Press
2075	USA	7726372	Granted	PRINTER WITH MOVABLE CAPPING MEMBER AND FIXED PRINthead AND PLATEN
2076	USA	7726771	Granted	INKJET PRINTER CARTRIDGE WITH A MULTI-FUNCTIONAL ROTOR ELEMENT
2077	USA	7726776	Granted	Printhead with Printhead Modules and Associated Circuit Boards Mounted in Same Casing
2078	USA	7726778	Granted	Printhead Assembly Having Electrical Connector Assemblies
2079	USA	7726779	Granted	Inkjet Printhead Having High Areal Inkjet Nozzle Density
2080	USA	7726780	Granted	Micro-Electromechanical Nozzles Having Low Weight Heater Elements
2081	USA	7726781	Granted	An Ink Delivery Assembly for a Pagewidth Printhead Assembly
2082	USA	7726785	Granted	Ink Refill Unit Having Printer Ink Storage Actuators
2083	USA	7726789	Granted	Printhead Module Having Funnelled Ink Distribution
2084	USA	7726790	Granted	Printhead Cartridge With Ink Supply Bags
2085	USA	7726795	Granted	METHOD OF ATTACHING PRINthead INTEGRATED CIRCUITS TO AN INK MANIFOLD USING ADHESIVE FILM
2086	USA	7727348	Granted	DESKTOP PRINTER WITH CARTRIDGE INCORPORATING PRINthead INTEGRATED CIRCUIT
2087	USA	7731327	Granted	

Exhibit A, Page 66

	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 AND DATA TRANSMISSION FILM POSITIONING
2107	USA	7740338	Granted	PROTUBERANCES
2108	USA	7740340	Granted	Printhead Assembly Having A Pressurised Air Supply
2109	USA	7740342	Granted	Inkjet Printer With Releasable Print Cartridge
2110	USA	7740343	Granted	Unit Cell For A Thermal Inkjet Printhead
2111	USA	7741720	Granted	INKJET PRINTHEAD INTEGRATED CIRCUIT WITH SUSPENDED HEATER ELEMENT SPACED FROM CHAMBER WALLS
2112	USA	7743262	Granted	ELECTRONIC DEVICE WITH WIRE BONDS ADHERED BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
2113	USA	7744181	Granted	Intergrated Circuit Incorporating Protection From Power Supply Attacks
2114	USA	7744183	Granted	Printer Controller For Monitoring An Ink Drop Count
2115	USA	7744190	Granted	Method Of Generating Halftone Print Data For Overlapping Consecutive Printhead Segments
2116	USA	7744191	Granted	Duplex Printer Assembly With Capping Printheads For A Pagewidth Printer
2117	USA	7744195	Granted	FLEXIBLE PRINTHEAD MODULE INCORPORATING STAGGERED ROWS OF INK EJECTION NOZZLES
			Granted	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
2158	USA	7758147	Granted	Printhead Module Having Operation Controllable On Basis Of Thermal Sensors
2159	USA	7758148	Granted	Capping System Incorporating A Flexible Capping Member For Inkjet Print Head Assembly
2160	USA	7758149	Granted	PRINthead MAINTENANCE FACILITY WITH INTERCHANGEABLE STATIONS
2161	USA	7758152	Granted	PRINthead NOZZLE WIPER AND DOCTOR BLADE FOR INK REMOVAL
2162	USA	7758160	Granted	COMPACT NOZZLE ASSEMBLY FOR AN INKJET PRINTER
2163	USA	7758161	Granted	Micro-Electromechanical Nozzle Arrangement Having Cantilevered Actuators
2164	USA	7758162	Granted	Nozzle Arrangement For An Inkjet Printer With Ink Wicking Reduction
2165	USA	7758164	Granted	Ink Ejection Printhead Incorporating A Connector Arrangement
2166	USA	7758166	Granted	Inkjet Nozzle With Paddle Layer Sandwiched Between First And Second Wafers
2167	USA	7758167	Granted	Media Supply Cartridge For Roll-Fed Printer
2168	USA	7758170	Granted	PRINTER SYSTEM HAVING PRINthead WITH ARCUATE HEATER ELEMENTS
2169	USA	7758174	Granted	INK SUPPLY SYSTEM COMPRISING AIR COMPRESSOR AND IN-LINE VALVE
2170	USA	7758177	Granted	HIGH FLOWRATE FILTER FOR INKJET PRINthead
2171	USA	7758181	Granted	Print Engine Assembly With Twin Bearing Moldings Received Within A Chassis
2172	USA	7762639	Granted	Inkjet Printer Having Printhead With Multiple Controllers
2173	USA	7762652	Granted	Print Engine With Ink Storage Modules Incorporating Collapsible Bags
2174	USA	7766451	Granted	PRINthead MAINTENANCE FACILITY WITH BALANCED LIFT MECHANISM
2175	USA	7766453	Granted	Printhead with Overlapping Arrays of Nozzles
2176	USA	7766459	Granted	Multi-Coloured Printhead Nozzle Array With Rows Of Nozzle Assemblies
2177	USA	7766467	Granted	A PRINT ENGINE WITH PARTITIONED BODY AND

Exhibit A, Page 69

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

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
				Pagewidth Printhead Assembly Having A Plurality Of Printhead Modules Each With A Stack Of Ink Distribution Layers
2208	USA	7775633	Granted	
2209	USA	7775634	Granted	Inkjet Chamber With Aligned Nozzle And Inlet
2210	USA	7775635	Granted	METHOD OF PRODUCING THERMOELASTIC INKJET ACTUATOR
				NOZZLE ARRANGEMENT HAVING PARTIALLY EMBEDDED HEATER ELEMENTS
2211	USA	7775636	Granted	Nozzle Arrangement With Ejection Apertures Having
2212	USA	7775637	Granted	Externally Projecting Peripheral Rim
				Inkjet Nozzle Assembly With Movable Crown And Skirt Portions
2213	USA	7775639	Granted	
2214	USA	7775640	Granted	Printhead Ink Delivery System With Clamping Endcap
2215	USA	7775642	Granted	Docking Port In A Cover Assembly
				PRINTING CARTRIDGE HAVING SELF-REFERENCING
2216	USA	7775643	Granted	PRINTHEAD UNDER THERMALLY EXPANSIVE CONDITIONS
				Printhead Assembly With An Ink Supply Carrier Supporting An Ink Distributing Molding
2217	USA	7775644	Granted	Printer Ink Supply Cartridge Incorporating Internal Support
2218	USA	7775649	Granted	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
				Duplexed Inkjet Printhead Assembly With Dual Capping Mechanism
2223	USA	7780261	Granted	
				PRINTING CARTRIDGE HAVING SELF-REFERENCING
2224	USA	7780262	Granted	PRINTHEAD WITH LARGE NOZZLE NUMBER
				INKJET PRINTER NOZZLE FORMED ON A DRIVE TRANSISTOR AND CONTROL LOGIC
2225	USA	7780264	Granted	
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	
2230	USA	7780288	Granted	Ducting between ink outlets of sectioned ink reservoir
				DUAL PRINTHEAD CONTROLLER ARCHITECTURE FOR INK
2231	USA	7782481	Granted	QUALITY ASSURANCE CIRCUITRY
				MULTI-LEVEL BOOT HIERARCHY FOR SOFTWARE
2232	USA	7783886	Granted	DEVELOPMENT ON AN INTEGRATED CIRCUIT
				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	METHOD OF ENCAPSULATING WIRE BONDS
2284	USA	7805626	Granted	Print Engine Having Authentication Device For Disabling 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
2372	USA	7854496	Granted	LAMINATE STRUCTURE
2373	USA	7854504	Granted	INKJET PRINTER WITH SMALL DROP SIZE
2374	USA	7854504	Granted	Digital Device Incorporating Inkjet Printhead And Platen
2375	USA	7857410	Granted	Printer Controller For Controlling An Ink Dot Size
2376	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	
2393	USA	7862734	Granted	METHOD OF FABRICATING NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
2394	USA	7864361	Granted	Inkjet Printer With Dual Page Memory And Page Expander Printhead Module Having Nozzle Redundancy For Faulty Nozzle Tolerance
2395	USA	7866778	Granted	DIAGNOSTIC PROBE ASSEMBLY FOR PRINthead INTEGRATED CIRCUITRY
2396	USA	7866784	Granted	
2397	USA	7866791	Granted	Printhead having Mirrored Rows of Print Nozzles
2398	USA	7866793	Granted	Printhead Assembly For Re-Directing Ink Droplets Method of Forming Connection Between Electrode and Actuator in an Inkjet Nozzle Assembly
2399	USA	7866795	Granted	Inkjet Printhead Integrated Circuit
2400	USA	7866797	Granted	Printer With Reversible Air Flow Sheet Picker
2401	USA	7874556	Granted	Printhead Integrated Circuit With Open Actuator Test
2402	USA	7874631	Granted	Printhead IC With Non-Ejection Maintenance
2403	USA	7874633	Granted	PAGEWIDTH PRINthead ASSEMBLY HAVING AIR CHANNELS FOR PURGING UNNECESSARY INK
2404	USA	7874637	Granted	Printhead Assembly With Channelled Printhead Modules
2405	USA	7874638	Granted	Inkjet Printhead Employing Nozzle Paddle Ink Ejecting Actuator
2406	USA	7874640	Granted	Modular Printhead Assembly
2407	USA	7874641	Granted	Printhead Assembly With Parallel Power Input
2408	USA	7874643	Granted	Inkjet Printhead With Shared Ink Spread Restriction Walls
2409	USA	7874644	Granted	Modular Printhead Assembly With Serially Mounted
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
2436	USA	7887170	Granted	ACCUATED BY PRINT CARTRIDGE CRADLE
2437	USA	7887171	Granted	PRESSURE-REGULATING CHAMBER COMPRISING FLOAT VALVE BIASED TOWARDS CLOSURE BY INLET INK PRESSURE
				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 CARRIER FOR AN INK DISTRIBUTION ASSEMBLY OF AN INK JET PRINthead
2506	USA	7914132	Granted	Cartridge Unit Assembly With Ink Storage Modules And A Printhead IC For A Printer
2507	USA	7914133	Granted	Printer Unit With LCD Touch Screen On Lid
2508	USA	7914136	Granted	Printer Having Easily Mountable Media Transport Arrangement
2509	USA	7914140	Granted	METHOD OF CONTROLLING SATELLITE DROPS FROM AN ENCAPSULANT JETTER
2510	USA	7914217	Granted	Mobile Phone Incorporating Integrated Printer PRINthead SYSTEM FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
2511	USA	7915091	Granted	PRINthead INTEGRATED CIRCUIT HAVING SENSING AND TEST CIRCUITRY
2512	USA	7917168	Granted	Nozzle Arrangement With Sealing Structure And Thermal Actuator
2513	USA	7918522	Granted	Printhead With Printhead Module Locator
2514	USA	7918524	Granted	Printhead Having Interconnected And Sealed Modules
2515	USA	7918525	Granted	Inkjet Printhead Integrated Circuit Comprising A Multilayered Substrate
2516	USA	7918533	Granted	Microelectromechanical ink jet printhead with printhead temperature feedback
2517	USA	7918535	Granted	Micro-Electromechanical Integrated Circuit Device With Laminated Actuators
2518	USA	7918537	Granted	INK SUPPLY ARRANGEMENT FOR INKJET PRINthead HAVING LARGE NOZZLE NUMBER
2519	USA	7918540	Granted	CORRUGATED THERMAL ACTUATOR
2520	USA	7918541	Granted	PRINthead MAINTENANCE FACILITY WITH INK STORAGE AND DRIVEN VACUUM DRAINAGE COUPLING
2521	USA	7918546	Granted	Printhead Capping Mechanism Having Multiple Gear Assemblies and Method of Assembling Same
2522	USA	7921645	Granted	Method Of Cleaning A Printhead Using Liquid Foam
2523	USA	7922279	Granted	PRINthead ASSEMBLY HAVING PRINthead INTEGRATED CIRCUIT CARRIERS ARRANGED END-TO-END ON INK SUPPLY SUPPORT STRUCTURE
2524	USA	7922283	Granted	
2525	USA	7922285	Granted	
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
				Method Of Printing A Compressed Image Having A Bi-Level
2561	USA	7936478	Granted	Black Layer And A Contone Layer
				Printer Having A Controller Method Of Printing With Low And
2562	USA	7936480	Granted	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
				Printhead Maintenance Station Having Contact Pad With
2566	USA	7938503	Granted	Sloping Profile
2567	USA	7938505	Granted	PRINTHEAD ASSEMBLY WITH INK SUPPLY VIA EXTRUSION
				Printhead Nozzle Arrangement With Radially Disposed
2568	USA	7938507	Granted	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
				Refill Unit For Refilling One Of A Number Of Ink
2572	USA	7938519	Granted	Compartments
				Ink Cartridge For A Computer System Having An Integral
2573	USA	7938521	Granted	Printer
2574	USA	7938524	Granted	Ink Supply Unit For Ink Jet Printer
2575	USA	7938530	Granted	CRADLE UNIT FOR A PRINTER CARTRIDGE
				METHOD OF FABRICATING PRINTHEAD USING METAL FILM
2576	USA	7938974	Granted	FOR PROTECTING HYDROPHOBIC INK EJECTION FACE
2577	USA	7941661	Granted	METHOD OF TESTING VALIDITY OF AUTHENTICATION IC
2578	USA	7942496	Granted	Cradle Unit For A Printer Assembly
				METHOD OF ALIGNING TWO OR MORE PRINTHEAD MODULES
2579	USA	7942499	Granted	MOUNTED TO A SUPPORT MEMBER IN A PRINTER
				Printhead With Flex PCB Bent Between Contacts And
2580	USA	7942500	Granted	Printhead IC
2581	USA	7942502	Granted	Print Engine Cradle With Maintenance Assembly
2582	USA	7942503	Granted	Printhead With Nozzle Face Recess To Contain Ink Floods
2583	USA	7942504	Granted	Variable-Volume Nozzle Arrangement
				Inkjet Nozzle Arrangement Having A Nozzle Rim To Facilitate
2584	USA	7942505	Granted	Ink Drop Misdirection
				Ink Jet Nozzle Arrangement With A Segmented Actuator
2585	USA	7942507	Granted	Nozzle Chamber Cover
2586	USA	7944586	Granted	Page Expansion And Printing Method
2587	USA	7946026	Granted	Inkjet Printhead Production Method
				WIREBONDER FORMING LOW PROFILE WIRE BONDS
				BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT
2588	USA	7946465	Granted	BOARDS
2589	USA	7946671	Granted	INKJET PRINTER FOR PHOTOGRAPHS
2590	USA	7946674	Granted	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

Exhibit A, Page 86

	Country	Official No.	Case Status	Title
2682	USA	7980673	Granted	INKJET NOZZLE ASSEMBLY WITH LOW DENSITY SUSPENDED HEATER ELEMENT PRINthead INCORPORATING PRESSURE PULSE DIFFUSING STRUCTURES BETWEEN INK CHAMBERS SUPPLIED BY SAME INK INLET
2683	USA	7980674	Granted	
2684	USA	7980684	Granted	PRINTER HAVING SELF-REFERENCING PRINTING CARTRIDGE
2685	USA	7980685	Granted	INK SUPPLY SYSTEM WITH FLOAT VALVE PRINTER MODULE LOGICALLY AND PHYSICALLY CONNECTABLE TO FURTHER MODULES
2686	USA	7982896	Granted	PRINthead MAINTENANCE FACILITY HAVING FLUID DRAINAGE
2687	USA	7984960	Granted	METHOD OF CAPPING PRINthead WITH TWO-STAGE CAPPING MECHANISM
2688	USA	7984962	Granted	
2689	USA	7984963	Granted	PRINthead PURGING SYSTEM WITH HAMMER ACTION PRINT HEAD UNIT WITH PRINthead AND TRANSPORT ROLLERS
2690	USA	7984965	Granted	Inkjet Printhead With Matched Number Of Color Channels And Printhead Modules
2691	USA	7984966	Granted	Inkjet Printhead Nozzle Assembly Having A Raised Rim To Support An Ink Meniscus
2692	USA	7984968	Granted	
2693	USA	7984969	Granted	Printer Having Removably Constrained Printhead Inkjet Printhead Assembly Having Printhead Modules With Nested Ends
2694	USA	7984970	Granted	PRINthead SYSTEM WITH SUBSTRATE CHANNEL SUPPORTING PRINthead AND INK HOSE
2695	USA	7984971	Granted	
2696	USA	7984972	Granted	Printhead Unit Cell Having Rimmed Nozzle Plate
2697	USA	7984973	Granted	Thermal Bend Actuator Comprising Aluminium Alloy PRINthead INTEGRATED CIRCUIT WITH LOW VOLTAGE THERMAL ACTUATORS
2698	USA	7984974	Granted	
2699	USA	7984975	Granted	PRINthead NOZZLE CELL HAVING PHOTORESIST CHAMBER PRINTER WITH INK SUPPLY SYSTEM HAVING DOWNSTREAM CONDUIT LOOP
2700	USA	7984981	Granted	WAFER ASSEMBLY COMPRISING MEMS WAFER WITH POLYMERIZED SILOXANE ATTACHMENT SURFACE
2701	USA	7986039	Granted	
2702	USA	7986439	Granted	Resource Entity using Resource Request Entity for Verification METHOD OF REDUCING WIRE BOND PROFILE HEIGHT IN INTEGRATED CIRCUITS MOUNTED TO CIRCUIT BOARDS
2703	USA	7988033	Granted	
2704	USA	7988248	Granted	Print Engine For Rotated Ejection Nozzle Correction PRINthead HAVING LAYERED HEATER ELEMENTS AND ELECTRODES
2705	USA	7988261	Granted	FLUID-EJECTING INTEGRATED CIRCUIT UTILIZING ELECTROMAGNETIC DISPLACEMENT
2706	USA	7988262	Granted	
2707	USA	7991432	Granted	Method of printing a voucher based on geographical location Tamper detection line circuitry for use in authenticating an integrated circuit
2708	USA	7991699	Granted	Modular Printhead Incorporating Printhead Modules On A Delivery Extrusion
2709	USA	7992963	Granted	
2710	USA	7992966	Granted	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 PRINTHEAD IC WITH TEMPERATURE BASED DE-CLOG EJECTION
2713	USA	7997673	Granted	Nozzle Arrangement With Rectilinear Ink Ejection
2714	USA	7997685	Granted	INKJET NOZZLE ARRANGEMENT INCORPORATING THERMAL DIFFERENTIAL ACTUATOR
2715	USA	7997686	Granted	PRINTHEAD NOZZLE ARRANGEMENT HAVING INTERLEAVED HEATER ELEMENTS
2716	USA	7997687	Granted	UNIT CELL FOR THERMAL INKJET PRINTHEAD
2717	USA	7997688	Granted	Inkjet Printer
2718	USA	7997690	Granted	PRINT MEDIA AND FLUID CARTRIDGE OF PHOTOFINISHING SYSTEM
2719	USA	7997704	Granted	Printer For A Web Substrate
2720	USA	7997706	Granted	INKJET PRINTER WITH RECIPROCALLY MOVABLE MAINTENANCE STATION
2721	USA	8002381	Granted	Printing Cartridge Mounted With Adhesively Sealant Film
2722	USA	8002384	Granted	INKJET PRINTHEAD HAVING NOZZLE CHAMBERS WITH REDUNDANT INK INLETS
2723	USA	8002386	Granted	Print Engine With A Refillable Printer Cartridge And Ink Refill Port
2724	USA	8002393	Granted	REFILL UNIT FOR FLUID CONTAINER
2725	USA	8002394	Granted	Method Of Controlling Clock Signal
2726	USA	8005636	Granted	Method Of Producing Pagewidth Inkjet Printhead
2727	USA	8006384	Granted	PRINTER HAVING PRINTHEAD WITH MULTIPLE CONTROLLERS
2728	USA	8007063	Granted	Printer Control Circuitry For Reading Ink Information From A Refill Unit
2729	USA	8007065	Granted	PRINTER HAVING RECYCLING INK AND PRESSURE-EQUALIZED UPSTREAM AND DOWNSTREAM INK LINES
2730	USA	8007068	Granted	PRINTHEAD HAVING NOZZLE PLATE FORMED ON FLUID DISTRIBUTORS
2731	USA	8007075	Granted	REFILL UNIT FOR INCREMENTALLY FILLING FLUID CONTAINER
2732	USA	8007083	Granted	Inkjet Printer Having Funnelled Distribution To Nozzle ICS
2733	USA	8007085	Granted	Inkjet Printer Having An Ink Cartridge Unit Configured To Facilitate Flow Of Ink Therefrom
2734	USA	8007087	Granted	PRINTER WITH PRINTHEAD CARTRIDGE AND PRINTER BODY THAT SIMULTANEOUSLY ENGAGE AN INK CARTRIDGE
2735	USA	8007089	Granted	Air Tight Ink Cartridge With Unobstructed Ink Outlet
2736	USA	8007092	Granted	Print Engine For Inkjet Printer
2737	USA	8007093	Granted	Print Controller For A Mobile Telephone Handset
2738	USA	8009333	Granted	Printer Controller For controlling A Printhead With Horizontally Grouped Firing Order
2739	USA	8011747	Granted	INKJET PRINTHEAD WITH VARIABLE DRIVE PULSE
2740	USA	8011748	Granted	Wide Format Pagewidth Inkjet Printer
2741	USA	8011754	Granted	MOLDED INK MANIFOLD WITH POLYMER COATING
2742	USA	8011755	Granted	

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

	Country	Official No.	Case Status	Title
2774	USA	8025366	Granted	INKJET PRINTHEAD WITH NOZZLE LAYER DEFINING ETCHANT HOLES
2775	USA	8025367	Granted	INKJET PRINTHEAD WITH TITANIUM ALUMINIUM ALLOY HEATER
2776	USA	8025374	Granted	INK MANIFOLD WITH MULTIPLE CONDUIT SHUT OFF VALVE
2777	USA	8025380	Granted	PAGEWIDTH INKJET PRINTER CARTRIDGE WITH A REFILL PORT
2778	USA	8025381	Granted	Priming System For Pagewidth Print Cartridge
2779	USA	8025383	Granted	FLUIDICALLY DAMPED PRINTHEAD
2780	USA	8029095	Granted	Pagewidth Printhead With Ink Supply Reservoirs Integrated Into Support Member
2781	USA	8029097	Granted	INKJET NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
2782	USA	8029098	Granted	PRINTHEAD INTEGRATED CIRCUIT WITH CONTROLLED DROP MISDIRECTION
2783	USA	8029099	Granted	NOZZLE ASSEMBLY WITH THERMAL BEND ACTUATOR FOR DISPLACING NOZZLE
2784	USA	8029101	Granted	INK EJECTION MECHANISM WITH THERMAL ACTUATOR COIL
2785	USA	8029102	Granted	PRINTHEAD HAVING RELATIVELY DIMENSIONED EJECTION PORTS AND ARMS
2786	USA	8029106	Granted	INKJET PRINTHEAD WITH HEATER ELEMENTS HAVING PARALLEL CURRENT PATHS
2787	USA	8029107	Granted	PRINTHEAD WITH DOUBLE OMEGA-SHAPED HEATER ELEMENTS
2788	USA	8029112	Granted	INKJET PRINTER WITH PRESSURE REGULATOR
2789	USA	8029113	Granted	PRINTING SYSTEM HAVING FUNNELLED FLUID DISTRIBUTION
2790	USA	8029121	Granted	INK SUPPLY SYSTEM HAVING DOWNSTREAM CONDUIT LOOP
2791	USA	8029686	Granted	Method Of Fabricating An Ink Jet Nozzle With A Heater Element
2792	USA	8033635	Granted	Printer With Ink Pressure Regulator
2793	USA	8035060	Granted	Inkjet Printhead With A Plurality Of Vapor Bubble Generators
2794	USA	8038239	Granted	CONTROLLER FOR PRINTHEAD HAVING ARBITRARILY JOINED NOZZLE ROWS
2795	USA	8038252	Granted	METHOD OF DETECTING MEM DEVICE FAULTS WITH SINGLE CURRENT PULSE
2796	USA	8038262	Granted	Inkjet Printhead Unit Cell With Heater Element
2797	USA	8038289	Granted	CARTRIDGE FOR PRINTING SYSTEM
2798	USA	8039974	Granted	ASSEMBLY OF ELECTRONIC COMPONENTS
2799	USA	8042922	Granted	DISPENSER UNIT FOR REFILLING PRINTING UNIT
2800	USA	8047633	Granted	CONTROL OF A NOZZLE OF AN INKJET PRINTHEAD
2801	USA	8047639	Granted	REFILL UNIT FOR INCREMENTAL MILLILITRE FLUID REFILL
2802	USA	8052250	Granted	Inkjet Printer With Droplet Stem Anchor
2803	USA	8057004	Granted	PRINTHEAD ASSEMBLY HAVING SELECTED INTERCONNECTED CONTROLLERS
2804	USA	8057014	Granted	NOZZLE ASSEMBLY FOR AN INKJET PRINTHEAD
2805	USA	8057016	Granted	Micro-Electromechanical Nozzle Arrangement With Motion Conversion Coupling Structures
2806	USA	8057020	Granted	PRINTER HAVING INK SUPPLY SYSTEM WITH FLOAT VALVE

Exhibit A, Page 90

	Country	Official No.	Case Status	Title
				CHAMBER
2807	USA	8057021	Granted	BUBBLE-BURSTING BOX FOR AN INK SUPPLY SYSTEM
2808	USA	8057023	Granted	Ink Cartridge Unit For An Inkjet Printer With An Ink Refill Facility
2809	USA	8057024	Granted	PRINthead INCORPORATING A STATIC PAGewidth
2810	USA	8059308	Granted	PRINthead AND ELONGATE FLUID CHANNEL
2811	USA	8059309	Granted	Integrated Printing And Display Device With Replaceable Ink Cartridge
2812	USA	8061795	Granted	DUPLEX PRINTER WITH INTERNAL HARD DRIVE
2813	USA	8061796	Granted	NOZZLE ASSEMBLY OF AN INKJET PRINthead
2814	USA	8061801	Granted	GENERATING HALFTONE PRINT DATA FOR OVERLAPPING CONSECUTIVE PRINthead SEGMENTS
2815	USA	8061806	Granted	PRINthead ASSEMBLY INCORPORATING GAS DUCT
2816	USA	8061807	Granted	Ejection Nozzle With Multiple Bend Actuators
2817	USA	8061812	Granted	Inkjet Printhead With Nozzle Assemblies Having Fluidic Seals
2818	USA	8061814	Granted	EJECTION NOZZLE ARRANGEMENT HAVING DYNAMIC AND STATIC STRUCTURES
2819	USA	8061815	Granted	INK EJECTION NOZZLE EMPLOYING VOLUME VARYING INK EJECTING MEANS
2820	USA	8061816	Granted	Printhead with Turbulence Inducing Filter for Ink Chamber
2821	USA	8061823	Granted	PRINthead ASSEMBLY HAVING A LAMINATE STACK TO DIRECT INK CENTRALLY
2822	USA	8061828	Granted	PRINthead ASSEMBLY HAVING RECESSED PRINthead
2823	USA	8063318	Granted	Print Media Cartridge For A Camera
2824	USA	8066346	Granted	ELECTRONIC COMPONENT WITH WIRE BONDS IN LOW MODULUS FILL ENCAPSULANT
2825	USA	8066349	Granted	PRINTER CONTROLLER FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING OUT-OF-PHASE FIRING
2826	USA	8066351	Granted	Printhead With Ink And Air Ejection Nozzles
2827	USA	8066352	Granted	Printer Assembly With Printhead Purging Members
2828	USA	8066354	Granted	Printhead Assembly Having Removable Printhead Module And Controller
2829	USA	8066355	Granted	Printhead Cartridge For A Pagewidth Printer Having A Number Of Ink Supply Bags
2830	USA	8066359	Granted	COMPACT NOZZLE ASSEMBLY OF AN INKJET PRINthead
2831	USA	8068254	Granted	INK SUPPLY SYSTEM WITH FLOAT VALVE CHAMBER
2832	USA	8069565	Granted	Mobile Telephone With Detachable Printing Mechanism
2833	USA	8070260	Granted	Method Of Forming A Nozzle Chamber Incorporating An Ink Ejection Paddle And Nozzle Chamber Rim
2834	USA	8070266	Granted	PRINthead HAVING DISPLACABLE NOZZLES
2835	USA	8070275	Granted	Printhead Assembly With Ink Supply To Nozzles Through Polymer Sealing Film
2836	USA	8070278	Granted	METHOD FOR ASSEMBLING A MODULAR PRINthead ASSEMBLY
2837	USA	8070969	Granted	METHOD OF PRIMING A PRINthead WITH INK BUBBLES PRESENT IN A PRINthead ASSEMBLY
				Method Of Fabricating Microelectromechanical Systems

Exhibit A, Page 91

	Country	Official No.	Case Status	Title
				Devices
2838	USA	8075079	Granted	INK CARTRIDGE WITH BUBBLE POINT PRESSURE REGULATOR
2839	USA	8075089	Granted	DEFINED IN LAMINATED WALL
2840	USA	8075090	Granted	METHOD OF ASSEMBLING PRINthead CAPPING MECHANISM
				METHOD OF MAINTAINING INKJET PRINthead USING NON-
				CONTACT ROLLER
2841	USA	8075093	Granted	PAGewidth PRINthead ASSEMBLY HAVING LCP
2842	USA	8075095	Granted	MICROMOLDING
2843	USA	8075096	Granted	Inkjet Printhead With Moving Nozzle Openings
2844	USA	8075097	Granted	INKJET PRINthead WITH FIRST AND SECOND NOZZLE PLATES
				Method Of Modulating Peak Power Requirement Of Modular
				Printhead
2845	USA	8075099	Granted	PRINTER WITH CONTROLLER FOR GENERATING COMBINED
				PRINT DATA AND CLOCK SIGNAL
2846	USA	8075104	Granted	PRINthead NOZZLE HAVING HEATER OF HIGHER RESISTANCE
				THAN CONTACTS
2847	USA	8075110	Granted	REFILL UNIT FOR AN INK STORAGE COMPARTMENT
				CONNECTED TO A PRINthead THROUGH AN OUTLET VALVE
2848	USA	8075111	Granted	PRINthead WITH INK DISTRIBUTION THROUGH ALIGNED
2849	USA	8075112	Granted	APERTURES
				Printhead Assembly With Air Cleaning Arrangement
2850	USA	8075116	Granted	INK CARTRIDGE WITH HIGH FLOWRATE, SELF SEALING
2851	USA	8079661	Granted	OUTLET
2852	USA	8079663	Granted	Print Cradle Assembly For A Printhead Cartridge
2853	USA	8079664	Granted	PRINthead HAVING MIRRORED ROWS OF PRINT NOZZLES
2854	USA	8079666	Granted	Printer With Printhead Chip Having Ink Channels Reinforced
2855	USA	8079668	Granted	By Transverse Walls
2856	USA	8079669	Granted	Printhead Having Commonly Supported Nozzle ICS
2857	USA	8079670	Granted	CRACK-RESISTANT THERMAL BEND ACTUATOR
2858	USA	8079678	Granted	PRINthead WITH HIGH DRAG NOZZLE CHAMBER INLETS
				PRINthead HAVING NOZZLES WITH STACKED CAPACITIVE
				ACTUATORS
2859	USA	8079683	Granted	INKJET PRINthead WITH NOZZLES SUPPLIED THROUGH
2860	USA	8079684	Granted	APERTURES IN THE CHASSIS
2861	USA	8079688	Granted	INKJET PRINTER CRADLE WITH SHAPED RECESS FOR
				RECEIVING A PRINTER CARTRIDGE
				Ink Storage Module For A Pagewidth Printer Cartridge
				Inkjet Printer With A Cartridge Storing Ink And A Roll Of
				Media
2862	USA	8079692	Granted	PRINTER COMPRISING PRIMING/DE-PRIMING SYSTEM WITH
2863	USA	8079700	Granted	COOPERATIVE PUSHING AND PULLING OF INK THROUGH
				PRINthead
2864	USA	8080102	Granted	PRINTER FOR NESTING WITH IMAGE READER
				Solvent-Based Inkjet Inks Comprising Surface-Modified
				Pigments
2865	USA	8083313	Granted	Printhead Maintenance Station For A Pagewidth Printer
				Having An Air Supply And Vacuum Assembly For Purging
				Excess Ink From The Printhead

Exhibit A, Page 92

	Country	Official No.	Case Status	Title
2866	USA	8083315	Granted	Printhead Assembly Configured To Purge Printheads Of A Printer
2867	USA	8083326	Granted	NOZZLE ARRANGEMENT WITH AN ACTUATOR HAVING IRIS VANES
2868	USA	8087168	Granted	METHOD OF SUPPLYING INK TO INK EJECTION NOZZLES
2869	USA	8087751	Granted	THERMAL INK JET PRINTHEAD
2870	USA	8087757	Granted	ENERGY CONTROL OF A NOZZLE OF AN INKJET PRINTHEAD
2871	USA	8087763	Granted	Inkjet Printer With Printhead Cartridge And Cradle That Interengage Via An Overcentre Mechanism
2872	USA	8091973	Granted	Printing System With Power Regulation
2873	USA	8091982	Granted	Modular Inkjet Printhead Assembly
2874	USA	8091984	Granted	Inkjet Printhead Employing Active And Static Ink Ejection Structures
2875	USA	8091985	Granted	PRINTHEAD HAVING EJECTION NOZZLES WITH DISPLACEABLE FLUID CHAMBERS
2876	USA	8091986	Granted	NOZZLE ARRANGEMENT INCLUDING ACTIVE AND STATIC INK EJECTING MEMBERS DEFINING VARIABLE-VOLUME CHAMBER
2877	USA	8092005	Granted	PRINTING SYSTEM HAVING COUPLED MEDIA CARTRIDGE AND DRIVE MECHANISM
2878	USA	8096635	Granted	Duplex Printer Configured To Move Printheads Before Capping
2879	USA	8096638	Granted	Nozzle Assembly For A Printhead Arrangement With Gutter Formations To Prevent Nozzle Contamination
2880	USA	8096639	Granted	Mounting arrangement with a support and pressure plate for a printhead assembly.
2881	USA	8096642	Granted	INKJET NOZZLE WITH PADDLE LAYER ARRANGED BETWEEN FIRST AND SECOND WAFERS
2882	USA	8098285	Granted	Processor For Image Capture And Printing
2883	USA	8100502	Granted	PRINTER CARTRIDGE INCORPORATING PRINTHEAD INTEGRATED CIRCUIT
2884	USA	8100503	Granted	Printhead Assembly With Protective Capping Mechanism
2885	USA	8100506	Granted	Printhead Assembly With Ink Leakage Containment Walls For Nozzle Groups
2886	USA	8100509	Granted	Printer Assembly For A Pagewidth Printer Having A Support Frame Configured To Minimize Substantial Dimensional Changes
2887	USA	8100512	Granted	Printhead Having Planar Bubble Nucleating Heaters
2888	USA	8100517	Granted	PRINTER WITH FOAMING SYSTEM FOR CLEANING EJECTING FACE
2889	USA	8100518	Granted	Inkjet Printer With Resilient Connection Between Printhead Cartridge And Ink Cartridge
2890	USA	8101012	Granted	SOLVENT-BASED INK COMPOSITION FOR THERMAL INKJETS COMPRISING PYRROLIDINONE SOLVENT
2891	USA	8101438	Granted	METHOD OF FABRICATING PRINTHEAD INTEGRATED CIRCUIT WITH BACKSIDE ELECTRICAL CONNECTIONS
2892	USA	8104870	Granted	PRINTHEAD MAINTENANCE METHOD WITH PURGING, INK REMOVAL AND PRINTING STEPS
2893	USA	8104871	Granted	Printhead Integrated Circuit With Multiple Ink Inlet Flow

Exhibit A, Page 93

	Country	Official No.	Case Status	Title
				Paths
2894	USA	8104874	Granted	INKJET NOZZLE ASSEMBLY WITH MOVING NOZZLE OPENING
				DEFINED IN ROOF OF NOZZLE CHAMBER
2895	USA	8104882	Granted	Duplex Printer With Intermediate Fluid Distribution
				Arrangement
2896	USA	8109596	Granted	Printhead Maintenance Assembly Comprising Pair Of Transfer
				Rollers
2897	USA	8109611	Granted	Translation To Rotation Conversion In An Inkjet Printhead
2898	USA	8109616	Granted	Cover Assembly Including An Ink Refilling Actuator Member
				PRINTER WITH MUTUALLY ENGAGING INK CARTRIDGE,
2899	USA	8109621	Granted	PRINthead CARTRIDGE AND PRINTER BODY
				SOLVENT-BASED INK COMPOSITION FOR THERMAL INKJETS
2900	USA	8110032	Granted	COMPRISING ACETATE SOLVENT
2901	USA	8113619	Granted	PRINthead ASSEMBLY FOR MAINTAINING PRINthead
				PRINTER HAVING ECCENTRICALLY CODED CAPPING
2902	USA	8113621	Granted	MECHANISM
				FLEXIBLE PRINthead ASSEMBLY WITH RESILIENTLY FLEXIBLE
2903	USA	8113625	Granted	ADHESIVE
				INKJET PRINthead INTEGRATED CIRCUIT INCORPORATING
2904	USA	8113629	Granted	FULCRUM ASSISTED INK EJECTION ACTUATOR
2905	USA	8113638	Granted	FLUID COUPLING
				PRINTING CARTRIDGE WITH RADIO FREQUENCY
2906	USA	8113641	Granted	IDENTIFICATION
2907	USA	8113647	Granted	Inkjet Printer With A Protective Print Media Input Tray
2908	USA	8113650	Granted	PRINTER HAVING ARCUATE PRINthead
				LOCALIZED SIGNAL DATA PRESERVATION WITHIN SIGNAL
2909	USA	8115967	Granted	BANDWIDTH
				Method Of Forming Printhead By Removing Sacrificial
2910	USA	8117751	Granted	Material Through Nozzle Apertures
				PRINTER CONTROLLER FOR MONITORING AN INK DROP
2911	USA	8118380	Granted	COUNT
				PRINTER INCLUDING DOT DATA GENERATOR WITH
2912	USA	8118387	Granted	STOCHASTICALLY RAMPED PRINT DATA
				Method Of Removing Foreign Particulates From Pagewidth
2913	USA	8118393	Granted	Printhead
2914	USA	8118397	Granted	Printhead Assembly With A Wicking Element
				Ink Ejection Printhead Incorporating A Bridged Connector
2915	USA	8118400	Granted	Arrangement
				Printing Arrangement Having Printhead And Ink Supply
2916	USA	8118404	Granted	Assemblies
				THERMAL INKJET PRINthead HAVING ANNULUS SHAPED
2917	USA	8118407	Granted	HEATER ELEMENTS
				Valve Assembly For A Printer Ink Cartridge Having A Spring-
2918	USA	8118416	Granted	Biased Pressure Regulator
				PRINTER WITH GAS BUBBLE OCCLUSION RESISTANT
2919	USA	8118418	Granted	CONDUITS
				PRINTER WITH PAPER GUIDE ON THE PRINthead AND
2920	USA	8118422	Granted	PAGewidth PLATEN ROTATED INTO POSITION

Exhibit A, Page 94

	Country	Official No.	Case Status	Title
2921	USA	8119019	Granted	Method Of Fabricating Filtered Printhead Ejection Nozzle
2922	USA	8123318	Granted	PRINthead HAVING CONTROLLED NOZZLE FIRING GROUPING
2923	USA	8123332	Granted	Printhead Assembly With A Printhead Maintenance Station PRINthead MICRO-ELECTROMECHANICAL NOZZLE
2924	USA	8123336	Granted	ARRANGEMENT WITH MOTION-TRANSMITTING STRUCTURE PRINthead ASSEMBLY WITH MOLDED INK MANIFOLD
2925	USA	8132893	Granted	HAVING POLYMER COATING PRINthead MAINTENANCE STATION HAVING ONE-PIECE
2926	USA	8136918	Granted	ELASTOMER PAD FOR PEELING ENGAGEMENT WITH NOZZLES
2927	USA	D528156	Granted	Small office/home office (SOHO) printer
2928	USA	D528597	Granted	MULTI-FUNCTION PRINTER
2929	USA	D529081	Granted	Multi-function printer
2930	USA	D529952	Granted	Printer with combination scanner and print collection Tray
2931	USA	D531214	Granted	Support stand for a printer
2932	USA	D536031	Granted	Vertically oriented printer
2933	USA	D541848	Granted	Print Media Storage Tray
2934	USA	D541849	Granted	Wall mounting printer PRINthead WITH MATCHED RESONANT DAMPING
2935	USA	12014768	Pending	STRUCTURE ROTATING PRINthead MAINTENANCE FACILITY WITH
2936	USA	12014777	Pending	SYMMETRICAL CHASSIS SHORT PULSEWIDTH ACTUATION OF THERMAL BEND
2937	USA	12114827	Pending	ACTUATOR
2938	USA	12264895	Pending	Print engine controller for double-buffered processing. SECURING ARRANGEMENT FOR SECURING A REFILL UNIT TO
2939	USA	12542645	Pending	A PRINT ENGINE DURING REFILLING INK REFILL UNIT HAVING A CLIP ARRANGEMENT FOR
2940	USA	12542647	Pending	ENGAGING WITH THE PRINT ENGINE DURING REFILLING METHOD OF FABRICATING CRACK-RESISTANT THERMAL BEND
2941	USA	12546683	Pending	ACTUATOR
2942	USA	12563988	Pending	Inkjet Printhead With Internal Rim In Ink Chamber
2943	USA	12649203	Pending	Inkjet Printer With Maintenance Roller Mounted On Chassis Modular Printhead Incorporating Alignment Mechanism For
2944	USA	12709507	Pending	Printhead Module INKJET PRINT ENGINE HAVING PRINTER CARTRIDGE
2945	USA	12721541	Pending	INCORPORATING MAINTENANCE ASSEMBLY AND CRADLE UNIT INCORPORATING MAINTENANCE DRIVE ASSEMBLY
2946	USA	12765856	Pending	Printhead Assembly PRINthead CRADLE HAVING ELECTROMAGNETIC CONTROL
2947	USA	12765862	Pending	OF CAPPER Printhead Assembly Incorporating Plural Printhead Integrated
2948	USA	12785489	Pending	Circuits Sealed To Support Member With Polymer Sealing Film PAGEWIDTH INKJET PRINthead INCORPORATING POWER
2949	USA	12796621	Pending	AND DATA TRANSMISSION FILM POSITIONING PROTUBERANCES
2950	USA	12829260	Pending	PRINTER PRINT ENGINE WITH CRADLED CARTRIDGE UNIT

Exhibit A, Page 95

	Country	Official No.	Case Status	Title
2951	USA	12832909	Pending	PRINthead INTEGRATED CIRCUIT WITH THERMALLY SENSING HEATER ELEMENTS
2952	USA	12976394	Pending	PRINthead INTEGRATED CIRCUIT HAVING EXPOSED ACTIVE BEAM COATED WITH POLYMER LAYER
2953	USA	12497693	Pending	PRINthead MODULE FOR WIDE FORMAT PAGEWIDTH INKJET PRINTER
2954	USA	12509490	Pending	METHOD OF FABRICATING INKJET PRINthead ASSEMBLY HAVING BACKSIDE ELECTRICAL CONNECTIONS
2955	USA	12510912	Pending	Key Genaration In An Integrated Circuit
2956	USA	12557461	Pending	Printhead Assembly Incorporating Printhead Module
2957	USA	12558550	Pending	Retention Channel
2958	USA	12568640	Pending	MODULAR PRINthead ASSEMBLY
2959	USA	12646737	Pending	Device With A Printhead And Media Drive Shaft
2960	USA	12687865	Pending	FEED MECHANISM FOR WIDE FORMAT PRINTER
2961	USA	12699018	Pending	Modular Inkjet Printhead With Mating Formations
2962	USA	12720590	Pending	Inkjet Printhead With Pressure Pulse Priming
2963	USA	12720655	Pending	PRINT CARTRIDGE CRADLE UNIT INCORPORATING MAINTENANCE ASSEMBLY
2964	USA	12749252	Pending	MODULAR PRINthead WITH A PLURALITY OF PRINthead MODULES
2965	USA	12749307	Pending	RESERVOIR ASSEMBLY FOR SUPPLYING FLUID TO PRINthead
2966	USA	12750564	Pending	INKJET PRINTERWITH ACTIVE CONTROL OF INK PRESSURE
2967	USA	12751625	Pending	PRINTER HAVING GUIDED PRINT ZONE
2968	USA	12756999	Pending	NON-CONTACT METHOD OF REMOVING FLOODED INK FROM PRINthead FACE
2969	USA	12765839	Pending	PRINTER WITH PRESSURE REGULATED INK SUPPLY
2970	USA	12773655	Pending	INKJET PRINTER WITH BUBBLEPOINT PRESSURE REGULATOR
2971	USA	12773695	Pending	AND RECIRCULATING INK SUPPLY
2972	USA	12773710	Pending	CARTRIDGE FOR PRINTER HAVING FLUID FLOW ARRANGEMENT
2973	USA	12778082	Pending	INK SUPPLY FOR PRINthead INK CHAMBERS
2974	USA	12778966	Pending	PRINTER WITH RESOLUTION REDUCTION BY NOZZLE DATA SHARING
2975	USA	12781596	Pending	PRINTING SYSTEM HAVING MEDIA GUIDING DRYER
2976	USA	12783539	Pending	INTEGRATED CIRCUIT FOR VALIDATING AND DECRYPTING SOFTWARE DATA
2977	USA	12785477	Pending	METHOD OF THREE DIMENSIONALLY LOCATING PRINthead ON PRINTER
2978	USA	12786346	Pending	PRINthead ASSEMBLY WITH MULTIPLE PRINthead MODULES AND PRINTED CIRCUIT BOARDS IN SINGLE CASING
2979	USA	12794777	Pending	PRINthead CARTRIDGE WITH COLLAPSIBLE INK BAGS
2980	USA	12796617	Pending	CARTRIDGE UNIT FOR PRINTER
2981	USA	12813439	Pending	Method for Hydrophilizing Surfaces of a Print head Assembly
2982	USA	12817145	Pending	INKJET PRINTER WITH RELEASABLE PRINT CARTRIDGE
2983	USA	12817169	Pending	INK USAGE TRACKING IN A PRINT CARTRIDGE
				PRINTING SYSTEM FOR VALIDATING PRINTING CONSUMABLE
				THERMAL INKJET PRINthead INTERGRATED CIRCUIT WITH

Exhibit A, Page 96

	Country	Official No.	Case Status	Title
				LOW RESISTIVE LOSS ELECTRODE CONNECTION
2984	USA	12817177	Pending	PRINthead ASSEMBLY INCORPORATING INK CASSETTE AND INK DISTRIBUTION ASSEMBLY
2985	USA	12817178	Pending	PRINthead MAINTENANCE ASSEMBLY FOR INKJET PRINTER
2986	USA	12829314	Pending	PRINTER CRADLE FOR INK CARTRIDGE
2987	USA	12829332	Pending	LAMINATED INK SUPPLY STRUCTURE MOUNTED IN INK DISTRIBUTION ARRANGEMENT OF AN INKJET PRINTER
2988	USA	12832923	Pending	PRINthead ASSEMBLY WITH CAPILLARY CHANNELS IN FLUID CHAMBERS
2989	USA	12834794	Pending	INKJET PRINTER WITH MAINTENANCE STATION HAVING NON-CONTACT FILM
2990	USA	12834819	Pending	PRINTER WITH HIGH FLOWRATE INK FILTER
2991	USA	12834885	Pending	MODULAR PRINthead ASSEMBLY WITH CONNECTOR ARRANGMENT
2992	USA	12834893	Pending	PRINT ENGINE ASSEMBLY WITH TWIN BEARING MOLDINGS RECEIVED WITHIN CHASSIS
2993	USA	12836581	Pending	PRINthead HAVING HEATER AND NON-HEATER ELEMENTS
2994	USA	12845726	Pending	INKJET PRINTING SYSTEM WITH MEDIA ENCODER IN THE PLATEN
2995	USA	12845727	Pending	PRINTING SYSTEM WITH INPUT ROLLER AND MOVABLE MEDIA ENGAGEMENT OUTPUT
2996	USA	12845730	Pending	PRINTING SYSTEM WITH INDEPENDENTLY OPERABLE PRINthead SERVICE MODULES
2997	USA	12845734	Pending	PRINTING SYSTEM FOR MEDIA OF DIFFERENT SIZES
2998	USA	12845736	Pending	PRINTING SYSTEM WITH AEROSOL COLLECTION FROM BOTH SIDES OF MEDIA PATH
2999	USA	12845737	Pending	PRINTING SYSTEM WITH ADJUSTABLE AEROSOL COLLECTION
3000	USA	12845740	Pending	PRINTING SYSTEM WITH INK ACCUMULATORS FOR HYDROSTATIC PRESSURE REGULATION
3001	USA	12845741	Pending	PRINTING SYSTEM WITH MULTIPLE PRINtheads EACH SUPPLIED BY MULTIPLE CONDUITS
3002	USA	12845742	Pending	PRINTING SYSTEM WITH PRINtheads SUPPLIED BY MULTIPLE INK CONDUITS CONNECTED BY A BYPASS LINE
3003	USA	12845744	Pending	PRINTING SYSTEM WITH PUMP TO PRIME PRINtheads
3004	USA	12845747	Pending	PRINTING SYSTEM WITH PUMP TO PRIME MULTIPLE PRINtheads
3005	USA	12845749	Pending	INKJET PRINTER WITH PRINthead MODULES HAVING INDIVIDUAL INK INTERFACES
3006	USA	12845750	Pending	PRINTER SYSTEM WITH PRINthead CARRIAGE CONNECTED TO INK SUPPLY FROM A SINGLE SIDE
3007	USA	12845753	Pending	WIDE FORMAT PRINTER WITH ADJUSTABLE AEROSOL COLLECTION
3008	USA	12845755	Pending	WIDE FORMAT PRINTER WITH INPUT MEDIA ROLLER AND OUTPUT VACUUM BELTS
3009	USA	12845756	Pending	WIDE FORMAT PRINTER WITH SCANNER TO ALIGN PRINthead ASSEMBLY
3010	USA	12845757	Pending	WIDE FORMAT PRINTER WITH MULTIPLE PRINtheads EACH SUPPLIED BY MULTIPLE CONDUITS

Exhibit A, Page 97

	Country	Official No.	Case Status	Title
3011	USA	12845760	Pending	WIDE FORMAT PRINTER WITH INPUT ROLLER AND MOVABLE MEDIA ENGAGEMENT OUTPUT FOR SIMULTANEOUSLY ENGAGING MEDIA
3012	USA	12845762	Pending	WIDE FORMAT PRINTER WITH INDEPENDENTLY OPERABLE PRINthead SERVICE MODULES
3013	USA	12845764	Pending	WIDE FORMAT PRINTER WITH MULTIPLE INK ACCUMULATORS
3014	USA	12845765	Pending	WIDE FORMAT PRINTER WITH PUMP TO PRIME PRINtheADS
3015	USA	12845767	Pending	WIDE FORMAT PRINTER WITH PUMP TO CREATE PRESSURE DIFFERENCE ACROSS PRINtheADS
3016	USA	12845768	Pending	WIDE FORMAT PRINTER WITH SPITTOON AND AEROSOL COLLECTION
3017	USA	12845769	Pending	WIDE FORMAT PRINTER WITH PUMP TO PRIME MULTIPLE PRINtheADS
3018	USA	12845770	Pending	WIDE FORMAT PRINTER WITH AEROSOL COLLECTION FROM BOTH SIDES OF MEDIA PATH
3019	USA	12845772	Pending	WIDE FORMAT PRINTER WITH PRINthead CARRIAGE CONNECTED TO INK SUPPLY FROM A SINGLE SIDE
3020	USA	12850612	Pending	PAGEWIDTH PRINthead ASSEMBLY INCORPORATING LAMINATED SUPPORT STRUCTURE
3021	USA	12855693	Pending	HEATER ASSEMBLY FOR PRINthead
3022	USA	12856671	Pending	MODULAR PRINthead ASSEMBLY INCLUDING FLUID DISTRIBUTION ASSEMBLY AND ELASTOMERIC PADS FOR TAKING UP TOLERANCE
3023	USA	12856674	Pending	INKJET NOZZLE ASSEMBLY HAVING SUSPENDED BEAM
3024	USA	12859776	Pending	HEATER ELEMENT OFFSET FROM NOZZLE APERTURE
3025	USA	12859781	Pending	CONTINUOUS WEB PRINTER FOR PRINTING NON-IDENTICAL COPIES WITHIN A PRINT RUN
3026	USA	12885574	Pending	CONTINUOUS WEB PRINTER WITH FLAT PRINT ZONES FOR PRINTING OPPOSING SIDES OF THE WEB
3027	USA	12885575	Pending	Encrypted Communication Device with Limited Number of Encryption Key Retrievals from Memory
3028	USA	12885576	Pending	Encrypted Communication System with Limited Number of Stored Encryption Key Retrievals
3029	USA	12885577	Pending	Method of Encrypted Communication with Limited Number of Stored Encryption Key Retrievals
3030	USA	12885578	Pending	ENCRIPTED COMMUNICATION DEVICE WITH RESTRICTED RATE OF ENCRYPTION KEY RETRIEVALS FROM MEMORY
3031	USA	12885580	Pending	Encrypted Communication System with Restricted Rate of Stored Encryption Key Retrievals
3032	USA	12895856	Pending	Method of Encrypted Communication with Restricted Rate of Stored Encryption Key Retrievals
3033	USA	12895857	Pending	INKJET NOZZLE ASSEMBLY WITH DROP DIRECTIONALITY CONTROL VIA INDEPENDENTLY ACTUABLE ROOF PADDLES
3034	USA	12895858	Pending	PAGEWIDTH INKJET PRINthead WITH DROP DIRECTIONALITY CONTROL
3035	USA	12895859	Pending	PAGEWIDTH INKJET PRINthead CONFIGURED SUCH THAT PRINTED DOT DENSITY EXCEEDS NOZZLE DENSITY
				STATIONARY INKJET PRINthead WITH DEAD NOZZLE

Exhibit A, Page 98

	Country	Official No.	Case Status	Title
				COMPENSATION PROVIDED BY NOZZLES IN SAME NOZZLE ROW
3036	USA	12895860	Pending	INKJET PRINthead WITH JOIN REGIONS SEAMLESSLY COMPENSATED BY DIRECTIONAL NOZZLES
3037	USA	12895862	Pending	PRINthead INTEGRATED CIRCUIT WITH PRINTABLE ZONE LONGER THAN NOZZLE ROW
				METHOD OF CONTROLLING DROP DIRECTIONALITY FROM INKJET NOZZLE USING MULTIPLE INDEPENDENTLY-ACTUABLE
3038	USA	12895863	Pending	ROOF PADDLES
				METHOD OF COMPENSATING FOR DEAD NOZZLES IN STATIONARY PAGEWIDTH PRINthead
3039	USA	12895864	Pending	METHOD OF PRINTING AT DOT DENSITY EXCEEDING NOZZLE DENSITY IN STATIONARY PAGEWIDTH PRINthead
3040	USA	12895865	Pending	INKJET PRINthead HAVING COMMON CONDUCTIVE TRACK ON NOZZLE PLATE
3041	USA	12895866	Pending	
3042	USA	12906133	Pending	METHOD FOR HYDROPHILIZING SURFACES OF INK PATHWAY
3043	USA	12906134	Pending	INKJET PRINthead HAVING HYDROPHILIC INK PATHWAYS
				METHOD OF PROVIDING PRINthead ASSEMBLY HAVING COMPLEMENTARY HYDROPHILIC AND HYDROPHOBIC SURFACES
3044	USA	12906135	Pending	METHOD OF FABRICATING INKJET PRINthead HAVING LOW-LOSS CONTACT FOR THERMAL ACTUATORS
3045	USA	12909754	Pending	
3046	USA	12973307	Pending	PRINthead ASSEMBLY WITH MINIMAL LEAKAGE
				THERMAL BEND ACTUATOR WITH CONDUCTION PAD AT BEND REGION
3047	USA	13017940	Pending	
3048	USA	13107961	Pending	Fluid Distribution System for Pressure Control at Printhead
3049	USA	13107963	Pending	METHOD OF CONTROLLING FLUID PRESSURE AT PRINthead PRINTING SYSTEM HAVING PRESSURE CONTROL AT PRINthead
3050	USA	13107964	Pending	METHOD OF DISTRIBUTING FLUID PRESSURE IN PRINTING SYSTEM
3051	USA	13107965	Pending	FLUID DISTRIBUTION SYSTEM HAVING FLUID FLOW RESTRICTION
3052	USA	13107967	Pending	
3053	USA	13107968	Pending	INK CONTAINER HAVING FLOAT ACTUATED VALVE
				FLUID DISTRIBUTION SYSTEM HAVING VALVED FLUID CONTAINER
3054	USA	13107970	Pending	
3055	USA	13107971	Pending	SYSTEM FOR DISTRIBUTING FLUID AND GAS WITHIN PRINTER
3056	USA	13107972	Pending	INK DISTRIBUTION SYSTEM HAVING GAS VENTING
3057	USA	13107975	Pending	FLUID CONTAINER HAVING THREE FLUID PORTS
3058	USA	13107976	Pending	FLUID CONTAINER WITH INTERNAL FILTRATION
				MAINTENANCE SYSTEM HAVING CLEANABLE WIPER FOR PRINthead
3059	USA	13107977	Pending	
3060	USA	13107978	Pending	SEPTUM ASSEMBLY FOR FLUID CONTAINER
				FLUID DISTRIBUTION SYSTEM HAVING FILTERED INK CONTAINER
3061	USA	13107979	Pending	SYSTEM FOR REDUCING INK COLOR MIXING EFFECTS IN PRINTER
3062	USA	13107980	Pending	
3063	USA	13107981	Pending	MAINTENANCE APPARATUS HAVING CLEANER FOR

Exhibit A, Page 99

	Country	Official No.	Case Status	Title
				ROTATABLE WIPER
3064	USA	13107982	Pending	SYSTEM FOR VENTING GAS AT INK CONTAINERS
3065	USA	13107983	Pending	WIPING DEVICE HAVING ON-BOARD MECHANISM FOR ROTATING WIPER ROLLER FOR PRINthead
3066	USA	13107984	Pending	MULTI-CHANNEL GAS VENT APPARATUS FOR INK CONTAINERS
3067	USA	13107985	Pending	PRINTING SYSTEM HAVING VALVED INK AND GAS DISTRIBUTION FOR PRINthead
3068	USA	13107987	Pending	MAINTENANCE SYSTEM HAVING TRANSLATABLE AND ROTATABLE WIPER AND CLEANER FOR PRINthead
3069	USA	13107988	Pending	FLUID CONTAINER WITH AIR LOCK PREVENTION
3070	USA	13107989	Pending	MULTI-CHANNEL VALVE APPARATUS FOR PRINthead
3071	USA	13107990	Pending	PRINTING SYSTEM HAVING CLOSED FLUID PATH FOR PRINthead
3072	USA	13107991	Pending	SYSTEM FOR TRANSPORTING MEDIA IN PRINTER
3073	USA	13107992	Pending	FLUID DISTRIBUTION SYSTEM HAVING PRINthead BYPASS
3074	USA	13107993	Pending	PRINthead MAINTENANCE SYSTEM HAVING WIPER MODULE
3075	USA	13107994	Pending	DRIVE BELT TENSIONING APPARATUS FOR PRINTER
3076	USA	13107995	Pending	PRINTING SYSTEM HAVING PRINthead BYPASS
3077	USA	13107996	Pending	MAINTENANCE APPARATUS HAVING ROTATABLE WIPER AND TRANSFER ROLLERS FOR PRINthead
3078	USA	13107997	Pending	SYSTEM FOR ALIGNING DRIVEN AND IDLER ROLLERS IN PRINTER
3079	USA	13107998	Pending	FLUID DISTRIBUTION SYSTEM HAVING PRINthead BYPASS FROM CONTAINER
3080	USA	13108000	Pending	PINCH ROLLER APPARATUS FOR PRINTER
3081	USA	13108001	Pending	PINCH ROLLER ASSEMBLY FOR PRINTER
3082	USA	13108002	Pending	PRINTING SYSTEM HAVING PRINthead BYPASS FROM CONTAINER
3083	USA	13108575	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-PATH VALVE FOR BYPASSED PRINthead
3084	USA	13108594	Pending	PRINTING SYSTEM HAVING MULTI-PATH VALVE FOR BYPASSED PRINthead
3085	USA	13108611	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-PATH, MULTI- CHANNEL VALVE FOR BYPASSED PRINthead
3086	USA	13108618	Pending	PRINTING SYSTEM HAVING MULTI-PATH, MULTI-CHANNEL VALVE FOR BYPASSED PRINthead
3087	USA	13108640	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-PATH VALVE FOR GAS VENTING
3088	USA	13108647	Pending	PRINTING SYSTEM HAVING MULTI-PATH VALVE FOR GAS VENTING
3089	USA	13108667	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-PATH, MULTI- CHANNEL VALVE FOR GAS VENTING
3090	USA	13108673	Pending	PRINTING SYSTEM HAVING MULTI-PATH, MULTI-CHANNEL VALVE FOR GAS VENTING
3091	USA	13108692	Pending	FLUID DISTRIBUTION SYSTEM HAVING FOUR-WAY VALVE
3092	USA	13108695	Pending	PRINTING SYSTEM HAVING FOUR-WAY VALVE FOR PRINthead

Exhibit A, Page 100

	Country	Official No.	Case Status	Title
3093	USA	13108706	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-CHANNEL FOUR-WAY VALVE
3094	USA	13108714	Pending	PRINTING SYSTEM HAVING MULTI-CHANNEL FOUR-WAY VALVE FOR PRINthead
3095	USA	13108724	Pending	FLUID DISTRIBUTION SYSTEM FOR PRIMING PRINthead
3096	USA	13108728	Pending	METHOD OF PRIMING PRINthead
3097	USA	13108741	Pending	SYSTEM FOR PRIMING AND DE-PRIMING PRINthead
3098	USA	13108745	Pending	METHOD OF PRIMING AND DE-PRIMING PRINthead
3099	USA	13108760	Pending	SYSTEM FOR FLUSHING PRINthead AND PRINthead BYPASS
3100	USA	13108763	Pending	MULTI-PATH VALVE FOR PRINthead
3101	USA	13108778	Pending	MULTI-CHANNEL VALVE FOR PRINthead
3102	USA	13108781	Pending	DIAPHRAGM VALVE FOR PRINthead
3103	USA	13108790	Pending	MAINTENANCE SYSTEM HAVING MODULAR SLED
3104	USA	13108797	Pending	MULTI-CHANNEL DIAPHRAGM VALVE FOR PRINthead
3105	USA	13108799	Pending	PRINTER HAVING MODULAR MAINTENANCE SLED
3106	USA	13108800	Pending	ROTARY VALVE FOR PRINthead
				METHOD OF MAINTAINING PRINthead WITH MODULAR SLED
3107	USA	13108802	Pending	
3108	USA	13108804	Pending	MULTI-CHANNEL ROTARY VALVE FOR PRINthead
3109	USA	13108809	Pending	METHOD OF SHAPING MEDIA AT PRINthead
3110	USA	13108810	Pending	MULTI-CHANNEL VALVE ARRANGEMENT FOR PRINthead
3111	USA	13108812	Pending	APPARATUS FOR ASSISTING PRINTING HAVING WICK
				PRINTING SYSTEM HAVING VALVED INK AND GAS DISTRIBUTION FOR PRINthead
3112	USA	13108814	Pending	APPARATUS FOR ASSISTING PRINTING HAVING PROXIMAL WICK
3113	USA	13108815	Pending	MAINTENANCE APPARATUS HAVING ROTATABLE WIPER FOR PRINthead
3114	USA	13108816	Pending	
3115	USA	13108818	Pending	LIQUID CONTAINER WITH CAPACITY STATE SENSING
3116	USA	13108823	Pending	APPARATUS FOR ASSISTING PRINTING HAVING OFFSET WICK
				MAINTENANCE SYSTEM HAVING TRANSLATABLE AND ROTATABLE WIPER FOR PRINthead
3117	USA	13108825	Pending	SYSTEM FOR SENSING CAPACITY STATE OF LIQUID CONTAINER
3118	USA	13108827	Pending	
3119	USA	13108830	Pending	LIQUID CONTAINER WITH PASSIVE CAPACITY STATE SENSING
3120	USA	13108832	Pending	SYSTEM FOR SHAPING MEDIA AT PRINthead
				METHOD OF WIPING PRINthead WITH TRANSLATABLE AND ROTATABLE WIPER
3121	USA	13108834	Pending	
3122	USA	13108839	Pending	METHOD OF MAINTAINING PRINthead
3123	USA	13108840	Pending	PRINthead COUPLING FOR FLUID DISTRIBUTION
				MAINTENANCE APPARATUS HAVING ROTATABLE PRINthead WIPER WITH SCRAPER
3124	USA	13108841	Pending	
				METHOD OF ASSEMBLING PRINthead FLUID DISTRIBUTION COUPLING
3125	USA	13108842	Pending	
				MAINTENANCE APPARATUS HAVING MULTIPLE FLUID ABSORBERS FOR PRINthead
3126	USA	13108845	Pending	

Exhibit A, Page 101

	Country	Official No.	Case Status	Title
3127	USA	13108846	Pending	MAINTENANCE SYSTEM HAVING WICKING CAP FOR PRINthead
3128	USA	13108849	Pending	SIMPLE PRINthead COUPLING FOR FLUID DISTRIBUTION METHOD OF ASSEMBLING SIMPLE PRINthead FLUID DISTRIBUTION COUPLING
3129	USA	13108851	Pending	APPARATUS FOR CAPPING PRINTING HAVING OFFSET WICK MAINTENANCE SYSTEM HAVING WASTE CONTAINER FOR PRINthead
3130	USA	13108853	Pending	SYSTEM FOR COUPLING FLUID SUPPLY TO PRINthead
3131	USA	13108855	Pending	MEDIA CLEARANCE MECHANISM FOR PRINTER
3132	USA	13108861	Pending	PRINTER HAVING WASTE FLUID CONTAINER
3133	USA	13108862	Pending	PRINthead COUPLING HAVING CAM DRIVEN MECHANISM
3134	USA	13108863	Pending	PRINTER HAVING MEDIA CLEARANCE MECHANISM
3135	USA	13108866	Pending	INK PRINthead HAVING CERAMIC NOZZLE PLATE DEFINING MOVABLE PORTIONS
3136	USA	13108870	Pending	PRINthead INTEGRATED CIRCUIT HAVING CONNECTOR POSTS ENCAPSULTED WITHIN NOZZLE CHAMBER SIDEWALLS
3137	USA	13118457	Pending	INK PRESSURE REGULATOR WITH LIQUID-RETAINING STRUCTURE
3138	USA	13118463	Pending	INKJET PRINTER WITH FLOAT VALVE REGULATION OF HYDROSTATIC INK PRESSURE
3139	USA	13118468	Pending	PRINT CONTROL METHOD
3140	USA	13118469	Pending	PRINthead HAVING NESTED MODULES
3141	USA	13118579	Pending	MEMS INTEGRATED CIRCUIT HAVING BACKSIDE INTEGRATED CIRCUIT CONTACTS
3142	USA	13162525	Pending	MEMS INTEGRATED CIRCUIT HAVING BACKSIDE CONNECTIONS TO DRIVE CIRCUITRY VIA MEMS ROOF LAYER
3143	USA	13197744	Pending	INKJET PRINthead ASSEMBLY HAVING ELECTRICAL CONNECTIONS VIA CONNECTOR RODS EXTENDING THROUGH PRINthead INTEGRATED CIRCUITS
3144	USA	13197746	Pending	METHOD OF HYDROPHOBIZING AND PATTERNING FRONTSIDE SURFACE OF INTEGRATED CIRCUIT
3145	USA	13197751	Pending	PRINthead HAVING VARIABLE DRIVE PULSES FOR FLUID EJECTION
3146	USA	13212028	Pending	PRINthead MODULE FOR AN INKJET PRINthead ASSEMBLY
3147	USA	13216199	Pending	PRINthead SUPPORT STRUCTURE WITH CAVITIES FOR PULSE DAMPING
3148	USA	13219698	Pending	PRINTER UTILIZING PRESSURE CONTROL OF AIR IN SUMP
3149	USA	13219702	Pending	PRINthead CARTRIDGE FOR RELEASABLE MOUNTING IN A PRINTER
3150	USA	13219708	Pending	METHOD FOR FORMING NOZZLE CHAMBER OF INKJET PRINthead
3151	USA	13225462	Pending	PRINthead HAVING CONTROLLED VAPOR BUBBLE GENERATORS
3152	USA	13225466	Pending	NOZZLE ASSEMBLY HAVING POLYMERIC COATING ON MOVING AND STATIONARY PORTIONS OF ROOF
3153	USA	13236512	Pending	ELECTRONIC COMPONENT ASSEMBLY HAVING PROFILED ENCAPSULATED BONDS
3154	USA	13236551	Pending	
3155	USA	13252179	Pending	

Exhibit A, Page 102

	Country	Official No.	Case Status	Title
3156	USA	13252187	Pending	PRINTING NOZZLE ARRANGEMENT HAVING FAULT DETECTOR Multiple Monochromatic Print Cartridge Printing System And Print Alignment Method
3157	USA	13273222	Pending	
3158	USA	13273223	Pending	Multiple Monochromatic Print Cartridge Printing System
3159	USA	13273224	Pending	Multiple Monochromatic Print Cartridge Printing System
3160	USA	13273225	Pending	Multiple Monochromatic Print Cartridge Printing System
3161	USA	13273226	Pending	Multiple Monochromatic Print Cartridge Printing System
3162	USA	13273227	Pending	Multiple Monochromatic Print Cartridge Printing Method
3163	USA	13283577	Pending	PRINT HEAD MAINTENANCE SYSTEM COMBINED CAPPER AND PLATEN FOR A STATIONARY PRINT HEAD
3164	USA	13283578	Pending	
3165	USA	13284938	Pending	DUPLEX PRINTER WITH INTERNAL HARD DRIVE MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENT WITH DISPLACEABLE INK EJECTION PORT
3166	USA	13284941	Pending	INTEGRATED PRINTING AND DISPLAY DEVICE WITH REPLACEABLE INK CARTRIDGE
3167	USA	13284942	Pending	PRINTING CARTRIDGE STORING OPERATION SCRIPT FOR CONTROLLING PRINthead
3168	USA	13284943	Pending	INK EJECTION NOZZLE EMPLOYING VOLUME VARYING INK EJECTING MEANS
3169	USA	13290110	Pending	APPARATUS FOR FORMING ASYMMETRICAL ENCAPSULANT BEADS ON WIRE BONDS
3170	USA	13290114	Pending	GENERATING HALF TONE PRINT DATA FOR OVERLAPPING CONSECUTIVE PRINthead SEGMENTS
3171	USA	13295836	Pending	
3172	USA	13295904	Pending	NOZZLE ARRANGEMENT FOR PRINthead PRINthead ASSEMBLY INCORPORATING INK DISTRIBUTION ASSEMBLY
3173	USA	13296015	Pending	EJECTION NOZZLE ARRANGEMENT HAVING DYNAMIC STRUCTURE
3174	USA	13296042	Pending	
3175	USA	13296080	Pending	PRINTER HAVING PRINthead PURGING MEMBERS METHOD OF FORMING A NOZZLE CHAMBER INCORPORATING AN INK EJECTION PADDLE AND NOZZLE CHAMBER RIM
3176	USA	13296111	Pending	PRINthead HAVING FLUID SUPPLY THROUGH SEALING FILM
3177	USA	13296197	Pending	PRINthead WITH FLUID FLOW CONTROL
3178	USA	13296211	Pending	METHOD OF FABRICATING MICROELECTROMECHANICAL SYSTEMS DEVICES
3179	USA	13301598	Pending	PRINthead WITH CONTROLLER FOR GENERATING COMBINED PRINT DATA AND CLOCK SIGNAL
3180	USA	13301615	Pending	INKJET PRINthead HAVING BILAYERED NOZZLE PLATE COMPRISED OF TWO DIFFERENT CERAMIC MATERIALS
3181	USA	13301634	Pending	INK CARTRIDGE WITH HIGH FLOW RATE SUPPLY TO PRINthead
3182	USA	13301645	Pending	THERMAL BEND ACTUATOR HAVING BILAYERED PASSIVE BEAM
3183	USA	13301758	Pending	NOZZLE ARRANGEMENT WITH AN ACTUATOR HAVING IRIS VANES
3184	USA	13330286	Pending	FLUID EJECTION NOZZLE HAVING STACKED CAPACITIVE EJECTOR
3185	USA	13330329	Pending	

Exhibit A, Page 103

	Country	Official No.	Case Status	Title
3186	USA	13330348	Pending	PRINthead HAVING MIRRORED ROWS OF PRINT NOZZLES
3187	USA	13346347	Pending	INKJET NOZZLE ASSEMBLY HAVING DISPLACEABLE ROOF
3188	USA	13346388	Pending	DEFINING EJECTION PORT
3189	USA	13350791	Pending	NOZZLE ARRANGEMENT INCLUDING ACTIVE AND STATIC INK
3190	USA	13357606	Pending	EJECTING MEMBERS DEFINING VARIABLE-VOLUME CHAMBER
3191	USA	13469089	Pending	PRINthead INTEGRATED CIRCUIT WITH A SOLENOID PISTON
3193	USA	12014773	Pending	INKJET PRINthead WITH INK LEAKAGE CONTAINMENT
3194	USA	12014775	Pending	WALLS FOR NOZZLE GROUPS
3195	USA	12014779	Pending	INKJET PRINTER HAVING PRINthead AND INK FOR
3196	USA	12014783	Pending	MINIMIZING CORROSION OF EXPOSED CORRODIBLE
3197	USA	12014785	Pending	STRUCTURES WITHIN PRINthead
3198	USA	12014787	Pending	PRINthead MAINTENANCE FACILITY WITH NOZZLE WIPER
3199	USA	12014793	Pending	MOVABLE PARALLEL TO MEDIA FEED DIRECTION
3200	USA	12014805	Pending	PRINthead MAINTENANCE FACILTY WITH ELONGATE NOZZLE
3201	USA	12043844	Pending	FACE WIPER
3202	USA	12138376	Pending	PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE
3203	USA	12177152	Pending	WIPER HAVING INDEPENDENT CONTACT BLADES
3204	USA	12205901	Pending	PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE
3205	USA	12240942	Pending	WIPER HAVING MULTIPLE SKEW BLADES
3206	USA	12252943	Pending	PRINthead NOZZLE FACE WIPER WITH NON-LINEAR
3207	USA	12276372	Pending	CONTACT SURFACE
3208	USA	12276381	Pending	PRINthead NOZZLE FACE WIPER BLADE WITH MULTIPLE,
3209	USA	12391949	Pending	INCLINED CONTACT SECTIONS
3210	USA	12391966	Pending	PRINthead MAINTENANCE FACILITY WITH PAGEWIDTH
3211	USA	12397274	Pending	ABSORBENT ELEMENT
3212	USA	12501461	Pending	PRINthead PRIMING PROTOCOL
3213	USA	12501464	Pending	Method Of Manufacturing Printhead ICS Incorporating Mems
				Inkjet Nozzles
				Pagewidth Printer With A Printhead Maintenance Station
				Having A Capping Chamber With Inlet And A Vacuum
				Channels
				METHOD OF AUTHENTICATING A PRINT MEDIUM WITH
				PLURALITY OF CODED DATA PORTIONS
				Processor For A Print Engine Assembly Having Power
				Management Circuitry
				Printhead Maintenance Station With Sliding Contact Pad
				Assembly
				PRINTING APPARATUS AND METHOD
				Printhead Having Capped Printhead Units
				PRINthead MAINTENANCE STATION
				Printhead Assembly Comprising Ink Reservoir Containing
				Cleaning Liquid
				PRINthead HAVING OVERLAYED HEATER AND NON-HEATER
				ELEMENTS
				SHEET FEED ASSEMBLY DEFINING CURVED AND STRAIGHT
				FEED PATH
				Printhead Integrated Circuit With High Density Nozzle Array
				Printhead Integrated Circuit With Thin Nozzle Layer

Exhibit A, Page 104

	Country	Official No.	Case Status	Title
3214	USA	12501466	Pending	Printhead Integrated Circuit For Low Volume Droplet Ejection
3215	USA	12501469	Pending	Printhead Integrated Circuit With Small Nozzle Apertures PRINTHEAD HAVING POLYSILSESQUIOXANE COATING ON INK EJECTION FACE
3216	USA	12508564	Pending	PRINTHEAD HAVING INK EJECTION FACE COMPLEMENTING INK OR OTHER FEATURES OF PRINTHEAD
3217	USA	12508567	Pending	INKJET PRINTER UTILIZING SENSED FEEDBACK TO CONTROL TIMING OF FIRING PULSES
3218	USA	12545850	Pending	METHOD OF EJECTING SOLVENT-BASED INK COMPOSITION COMPRISING PYRROLIDINONE SOLVENT
3219	USA	12557518	Pending	PRINTHEAD HAVING CMOS DRIVE CIRCUITRY
3220	USA	12558561	Pending	MODULAR PRINTHEAD ASSEMBLY WITH RELEASABLE PRINTHEAD MODULES
3221	USA	12608959	Pending	Ink Supply Unit For Printhead Of Inkjet Printer
3222	USA	12627857	Pending	PRINTHEAD MAINTENANCE SYSTEM FOR APPLYING FOAM TO PRINTHEAD
3223	USA	12630614	Pending	Modular Printhead Assembly With Series Of Connected PCB Modules
3224	USA	12642832	Pending	Ink Reservoir With Automatic Air Vent
3225	USA	12642836	Pending	PULSE DAMPED INK SUPPLY ARCHITECTURE
3226	USA	12648888	Pending	MEMS FLUID SENSOR
3227	USA	12652683	Pending	Authentication of a Consumable
3228	USA	12687800	Pending	Method Of Ejection From Nozzles Of Printhead
3229	USA	12687860	Pending	METHOD OF PRIMING PAGEWIDTH PRINTHEAD
3230	USA	12697270	Pending	METHOD OF MINIMIZING KOGATION IN THERMAL INKJET PRINTHEADS
3231	USA	12701602	Pending	Inkjet Nozzle Device With Static And Movable Nozzle Chamber Portions
3232	USA	12702157	Pending	Nozzle Device With Expansive Chamber-Defining Layer
3233	USA	12702192	Pending	NON-CONTACT METHOD OF MAINTAINING INKJET PRINTHEAD
3234	USA	12704458	Pending	PRINTHEAD CARTRIDGE INCORPORATING INK SUPPLY AND MOVEABLE MAINTENANCE STATION
3235	USA	12709495	Pending	INKJET PRINTER WITH ELONGATE NOZZLE ARRAY SUPPLIED THROUGH PULSE DAMPED CONDUITS
3236	USA	12709505	Pending	Printhead Having Low Energy Heating Circuitry
3237	USA	12710255	Pending	PRINTHEAD CARTRIDGE CRADLE HAVING CONTROL CIRCUITRY
3238	USA	12711258	Pending	INKJET NOZZLE ASSEMBLY HAVING HEATER ELEMENT BONDED TO CHAMBER WALL VIA DIELECTRIC LAYER
3239	USA	12711264	Pending	PRINTHEAD WIPING SYSTEM
3240	USA	12719005	Pending	INK STORAGE MODULE WITH DISPLACEABLE UPPER AND LOWER PLATES AND DISPLACEABLE UPPER AND LOWER COLLARS
3241	USA	12729059	Pending	Inkjet Printhead Intergrated Configured to Minimize Thermal Losses
3242	USA	12729112	Pending	PAGEWIDTH PRINTHEAD ASSEMBLY WITH INK AND DATA DISTRIBUTION
3243	USA	12765803	Pending	

Exhibit A, Page 105

	Country	Official No.	Case Status	Title
3244	USA	12769600	Pending	PRINthead HAVING ASSEMBLY OF PRINthead MODULES
3245	USA	12770709	Pending	VERTICAL FORM FACTOR PRINTER
3246	USA	12773626	Pending	INKJET PRINthead WITH ACTUATORS SHARING A CURRENT PATH
3247	USA	12773809	Pending	Inkjet Printer Incorporating Capping Mechanism Actuated By Flexible Arm
3248	USA	12778885	Pending	Method of Processing and Printing Digital Images
3249	USA	12778949	Pending	CRADLE UNIT FOR PRINthead CARTRIDGE HAVING MOVABLE CONNECTORS
3250	USA	12783521	Pending	PRINT CARTRIDGE WITH PRINthead IC AND MULTI-FUNCTIONAL ROTOR ELEMENT
3251	USA	12786318	Pending	Ink Chamber with Droplet Step Anchor
3252	USA	12786335	Pending	METHOD OF EJECTING FLUID USING WIDE HEATER ELEMENT
3253	USA	12787358	Pending	PRINthead INCORPORATING ROWS OF INK EJECTION NOZZLES
3254	USA	12815307	Pending	PRINthead ASSEMBLY HAVING CROSSOVER INK DISTRIBUTION ASSEMBLY
3255	USA	12817166	Pending	FLEXIBLE PRINthead MODULE INCORPORATING STAGGERED ROWS OF INK EJECTION NOZZLES
3256	USA	12817179	Pending	DUPLEX PRINTER ASSEMBLY HAVING CAPPING PRINtheads
3257	USA	12817184	Pending	PRINTER WITH PRINT HEAD AND INK TRANSFER ROLLER
3258	USA	12831216	Pending	REPLACEABLE PRINT CARTRIDGE WITH AN OPTICAL SENSOR FOR RECEIVING PRINT DATA
3259	USA	12832991	Pending	INKJET PRINthead WITH BUBBLE TRAP AND AIR VENTS
3260	USA	12832992	Pending	PRINthead ASSEMBLY HAVING A CASING PART FOR SUPPORTING PRINthead MODULES
3261	USA	12835528	Pending	PRINthead ASSEMBLY HAVING INTERCONNECTED CONTROLLERS
3262	USA	12845723	Pending	PRINTING SYSTEM WITH FIXED PRINtheads AND MOVABLE VACUUM PLATEN
3263	USA	12845724	Pending	PRINTING SYSTEM WITH INPUT MEDIA ROLLER AND OUTPUT VACUUM BELTS
3264	USA	12845725	Pending	PRINTING SYSTEM WITH SCANNER TO ALIGN PRINthead ASSEMBLY
3265	USA	12845728	Pending	METHOD OF PRINTING USING INPUT ROLLER AND MOVABLE MEDIA ENGAGEMENT OUTPUT
3266	USA	12845729	Pending	PRINTING SYSTEM WITH MEDIA SIMULTANEOUSLY ENGAGING INPUT ROLLER AND MOVABLE MEDIA ENGAGEMENT OUTPUT
3267	USA	12845733	Pending	PRINTING SYSTEM WITH INDEPENDENTLY MOVABLE PRINthead SERVICE MODULES
3268	USA	12845735	Pending	PRINTING SYSTEM WITH SPITTOON AND AEROSOL COLLECTION
3269	USA	12845743	Pending	PRINTING SYSTEM WITH MULTIPLE INK ACCUMULATORS
3270	USA	12845746	Pending	PRINTING SYSTEM WITH PUMP TO CREATE PRESSURE DIFFERENCE ACROSS PRINtheads
3271	USA	12845748	Pending	PRINTING SYSTEM WITH DATUM FEATURES ON PRINthead CARRIAGE

Exhibit A, Page 106

	Country	Official No.	Case Status	Title
3272	USA	12845751	Pending	PRINT ENGINE WITH INK SUPPLY CONDUITS EXTENDING FROM A LONG SIDE OF ELONGATE PRINthead CARRIAGE
3273	USA	12845752	Pending	WIDE FORMAT PRINTER WITH FIXED PRINtheads AND MOVABLE VACUUM PLATEN
3274	USA	12845754	Pending	WIDE FORMAT PRINTER WITH INK ACCUMULATORS FOR HYDROSTATIC PRESSURE REGULATION
3275	USA	12845758	Pending	WIDE FORMAT PRINTER WITH MEDIA ENCODER IN THE PLATEN
3276	USA	12845759	Pending	WIDE FORMAT PRINTER WITH INPUT ROLLER AND MOVABLE MEDIA ENGAGEMENT OUTPUT
3277	USA	12845761	Pending	WIDE FORMAT PRINTER WITH PRINtheads SUPPLIED BY MULTIPLE INK CONDUITS CONNECTED BY A BYPASS LINE
3278	USA	12845763	Pending	WIDE FORMAT PRINTER WITH INDEPENDENTLY MOVABLE PRINthead SERVICE MODULES
3279	USA	12845766	Pending	WIDE FORMAT PRINTER FOR MEDIA OF DIFFERENT SIZES
3280	USA	12845771	Pending	WIDE FORMAT PRINTER WITH DATUM FEATURES ON PRINthead CARRIAGE
3281	USA	12850632	Pending	PRINthead ASSEMBLY HAVING INK SUPPLY ARRANGEMENT AND PLURALITY OF PRINthead SEGMENT CARRIERS
3282	USA	12855696	Pending	INKJET NOZZLE ASSEMBLY WITH MOVABLE CROWN AND SKIRT PORTION
3283	USA	12859227	Pending	PRINthead HAVING CAPPED FLUID PASSAGES
3284	USA	12859773	Pending	CONTINUOUS WEB PRINTER WITH SHORT MEDIA FEED PATH
3285	USA	12859774	Pending	WEB PRINTER WITH DUAL PRINT ZONES HAVING OPPOSING FEED DIRECTIONS
3286	USA	12859775	Pending	CONTINUOUS WEB PRINTER WITH AUTOMATED WEB THREADING MECHANISM
3287	USA	12859777	Pending	CONTINUOUS WEB PRINTER WITH AIR PLATEN
3288	USA	12859778	Pending	CONTINUOUS WEB PRINTER WITH PAGEWIDTH PRINthead IN A PRINthead DRAWER
3289	USA	12859779	Pending	CONTINUOUS WEB PRINTER WITH UPPER AND LOWER PRINT ZONES FOR OPPOSING SIDES OF WEB
3290	USA	12895861	Pending	PRINthead INTEGRATED CIRCUIT WITH END NOZZLES FIRING AT MULTIPLE DOT POSITIONS
3291	USA	12895867	Pending	PRINthead INTEGRATED CIRCUIT HAVING COMMON CONDUCTIVE TRACK FUSED TO NOZZLE PLATE
3292	USA	12905078	Pending	METHOD OF ETCHING BACKSIDE INK SUPPLY CHANNELS FOR AN INKJET PRINthead
3293	USA	12909748	Pending	INKJET PRINthead HAVING LOW-LOSS CONTACT FOR THERMAL ACTUATORS
3294	USA	12955840	Pending	PRINTER WITH REDUCED VORTEX OSCILLATION IN PRINT GAP
3295	USA	13027216	Pending	METHOD OF OPERATING PRINTER WITH INCORRECTLY OPERATING NOZZLES
3296	USA	13118464	Pending	PRINthead WITH BUBBLE VENTS
3297	USA	13236478	Pending	INKJET PRINTER WITH FLOAT VALVE PRESSURE REGULATOR
3298	USA	13281095	Pending	NOZZLE ASSEMBLY OF AN INKJET PRINthead
3299	USA	13330189	Pending	SOLVENT-BASED INK COMPOSITION WITH KETONE SOLVENT AND SURFACE-MODIFIED PIGMENT

Exhibit A, Page 107

	Country	Official No.	Case Status	Title
3300	USA	13330255	Pending	IMAGE PROCESSING APPARATUS WITH NESTED PRINTER AND SCANNER
3301	USA	10/922971	Pending	Display Device Having Gravity-Fed Sheet Feeder
3302	USA	11/124181	Pending	Method of reading coded data from a print medium before printing
3303	USA	11/677050	Pending	PRINthead ASSEMBLY WITH INK PUMP AND SHUT OFF VALVE
3304	USA	11/688871	Pending	PRINthead WITH INK CONDUIT WEIR FOR PRIMING CONTROL
3305	USA	11/834637	Pending	PRINthead FIRING PATTERN METHOD
3308	USA	6679582	Pending	Flooded nozzle detection
3309	USA	6834933	Pending	Printhead Module Assembly
3310	USA	12049371	Pending	DOUBLE LASER DRILLING OF A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM
3311	USA	12062481	Pending	Printer Controller For Inkjet Print Head
3312	USA	12140192	Pending	Printhead Maintenance Assembly Having A Capper With A Constriction Member
3313	USA	12193743	Pending	DIE PICKER FOR PICKING PRINthead DIE FROM A WAFER
3314	USA	12270853	Pending	INKJET PRINTER COMPRISING INTEGRATED CAPPER AND CLEANER
3315	USA	12270854	Pending	MICROCAPPING OF INKJET NOZZLES
3316	USA	12270856	Pending	PRESSURE CAPPING OF INKJET NOZZLES
3317	USA	12501460	Pending	Printhead Integrated Circuit With Large Nozzle Array
3318	USA	12501467	Pending	Printhead Integrated Circuit With More Than Two Metal Layer CMOS
3319	USA	12507068	Pending	PRINT CARTRIDGE WITH SINGLE DRIVE SHAFT AND OPPOSING MEDIA GUIDE
3320	USA	12605365	Pending	Cradle Unit For Receiving Removable Printer Cartridge Unit
3321	USA	12616120	Pending	Nozzle Arrangement With Laminated Ink Ejection Member And Ink Spread Prevention Rim
3322	USA	12626919	Pending	Method Of Assembling Print Media Transport Arrangement
3323	USA	12711967	Pending	PRINthead ASSEMBLY WITH PRINthead IC TILES
3324	USA	12720559	Pending	PRINthead HAVING WIDE HEATER ELEMENTS
3325	USA	12729225	Pending	INKJET PRINthead ASSEMBLY WITH PRINthead SEGMENT CRADLE MEMBER
3326	USA	12778122	Pending	SYSTEM FOR ENABLING AUTHENTICATED COMMUNICATION BETWEEN ENTITIES
3327	USA	12778931	Pending	PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM
3328	USA	12785474	Pending	WALL MOUNTABLE PRINTER HAVING HIDDEN PRINT ENGINE
3329	USA	12910865	Pending	PRINT HEAD MAINTENANCE SYSTEM
3330	USA	12959296	Pending	Method of Storing Secret Information in Distributed Device
3331	USA	13216213	Pending	INKJET PRINthead HAVING MULTIPLE PRESSURE-DAMPENING STRUCTURES DEFINED IN NOZZLE PLATE
3332	USA	13236568	Pending	INK EJECTION NOZZLE WITH THERMAL ACTUATOR COIL
3333	USA	13323765	Pending	METHOD OF PRINTING GRAPHIC CONTENT WITH POSITION TAGS

Exhibit A, Page 108

	Country	Official No.	Case Status	Title
3334	USA	11/176372	Pending	Synchronization of Printing and Print Media in a Printer Module
3335	USA	11/688867	Pending	DETACHABLE FLUID COUPLING FOR INKJET PRINTER
3336	USA	12/047315	Pending Application	METHOD OF MANUFACTURING MEMS ICS
3337	Australia	2008365368	Accepted	MOLDED INK MANIFOLD WITH POLYMER COATING
3338	Australia	760672	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
3339	Australia	760674	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
3340	Australia	760759	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
3341	Australia	760953	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
3342	Australia	761443	Granted	COLOUR CONVERSION METHOD FOR COMPACT PRINTER SYSTEM
3343	Australia	761444	Granted	METHOD AND APPARATUS FOR DITHERING
3344	Australia	764046	Granted	CONTROLLER FOR A PRINTER MODULE
3345	Australia	765895	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
3346	Australia	767236	Granted	AN INK SUPPLY DEVICE FOR A FOUR COLOUR MODULAR PRINthead
3347	Australia	767237	Granted	COMPONENT FOR A FOUR COLOUR PRINthead MODULE
3348	Australia	767240	Granted	POWER SUPPLY FOR A FOUR COLOUR MODULAR PRINthead
3349	Australia	767266	Granted	FOUR COLOUR MODULAR PRINthead ASSEMBLY
3350	Australia	767298	Granted	FOUR COLOUR MODULAR PRINthead SYSTEM
3351	Australia	768522	Granted	METHOD OF MANUFACTURING A FOUR COLOUR MODULAR PRINthead
3352	Australia	769819	Granted	THERMAL ACTUATOR SHAPED FOR MORE UNIFORM TEMPERATURE PROFILE
3353	Australia	770172	Granted	NOZZLE CAPPING MECHANISM
3354	Australia	770176	Granted	MODULAR COMPACT PRINTER SYSTEM
3355	Australia	770374	Granted	PAGewidth WIDE FORMAT PRINTER
3356	Australia	770756	Granted	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
3357	Australia	770764	Granted	COMPACT COLOUR PRINTER MODULE
3358	Australia	770945	Granted	ACTUATOR ELEMENT
3359	Australia	771998	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3360	Australia	772083	Granted	PAGE-WIDTH PRINthead
3361	Australia	772592	Granted	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE
3362	Australia	773771	Granted	A DUPLEX NETWORK COLOR PRINTER
3363	Australia	774048	Granted	ROTATING PLATEN MEMBER
3364	Australia	775392	Granted	Printed Page Tag Encoder
3365	Australia	775594	Granted	A METHOD OF MANUFACTURING A THERMAL BEND ACTUATOR
3366	Australia	2000242753	Granted	INK JET EJECTOR
3367	Australia	2000247250	Granted	PRINT ENGINE/CONTROLLER WITH COLOUR MASK
3368	Australia	2000247255	Granted	PRINT ENGINE/CONTROLLER AND PRINthead INTERFACE
				CHIP INCORPORATING THE ENGINE/CONTROLLER

Exhibit A, Page 109

	Country	Official No.	Case Status	Title
3369	Australia	2000247313	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
3370	Australia	2000247314	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
3371	Australia	2000247325	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
3372	Australia	2000247326	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
3373	Australia	2000247327	Granted	INK JET PRINthead NOZZLE ARRAY
3374	Australia	2000247328	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
3375	Australia	2000247329	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
3376	Australia	2000247330	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
3377	Australia	2000247332	Granted	PAPER THICKNESS SENSOR IN A PRINTER
3378	Australia	2000253731	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
3379	Australia	2000253732	Granted	INK CARTRIDGE WITH INK RESERVOIR AND PELLETS
3380	Australia	2000253733	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
3381	Australia	2000253734	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
3382	Australia	2000253735	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
3383	Australia	2000253736	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
3384	Australia	2000253737	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
3385	Australia	2000253738	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE
3386	Australia	2000253739	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
3387	Australia	2000253740	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
3388	Australia	2000253741	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
3389	Australia	2000253742	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
3390	Australia	2000253744	Granted	PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A PRINthead DRIVEN BY MULTIPLE PRINT ENGINE/CONTROLLERS
3391	Australia	2000253745	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
3392	Australia	2000253746	Granted	PRINTING WITH A MULTI-SEGMENT PRINthead
3393	Australia	2000253747	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
3394	Australia	2000273951	Granted	DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR COMMERCIAL PRINTER
3395	Australia	2000273952	Granted	A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL PRINTER
3396	Australia	2000273953	Granted	A LOADING MECHANISM FOR A MODULAR COMMERCIAL PRINTER
3397	Australia	2000273954	Granted	MODULAR COMMERCIAL PRINTER
3398	Australia	2001231441	Granted	CONSUMABLE AUTHENTICATION PROTOCOL AND SYSTEM
3399	Australia	2001231442	Granted	UNAUTHORISED MODIFICATION OF VALUES STORED IN FLASH MEMORY
3400	Australia	2001231443	Granted	VALIDATION PROTOCOL AND SYSTEM
3401	Australia	2001237126	Granted	OVERLAPPING PRINthead MODULE ARRAY CONFIGURATION
3402	Australia	2001237127	Granted	MANUALLY ALIGNED PRINthead MODULES
3403	Australia	2001237147	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR

Exhibit A, Page 110

	Country	Official No.	Case Status	Title
				PRINthead ASSEMBLIES
3404	Australia	2001237148	Granted	THERMAL EXPANSION COMPENSATION FOR PRINthead ASSEMBLIES
3405	Australia	2001240342	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLY
3406	Australia	2001240343	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLY
3407	Australia	2001240344	Granted	MODULAR PRINthead ALIGNMENT SYSTEM
3408	Australia	2001254521	Granted	IMPROVED THERMAL BEND ACTUATOR
3409	Australia	2001277386	Granted	PRINthead CAPPING ARRANGEMENT
3410	Australia	2001295291	Granted	PRINTED MEDIA PRODUCTION
3411	Australia	2001295292	Granted	INK FEED FOR SIX COLOUR INKJET MODULAR PRINthead
3412	Australia	2002210244	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
3413	Australia	2002210245	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
3414	Australia	2002210246	Granted	MOUNTING OF PRINthead IN SUPPORT MEMBER OF SIX COLOUR INKJET MODULAR PRINthead
3415	Australia	2002210247	Granted	METHOD OF ASSEMBLY OF SIX COLOUR INKJET MODULAR PRINthead
3416	Australia	2002210251	Granted	MOVING NOZZLE INK JET ACTUATOR
3417	Australia	2002210255	Granted	ACTUATOR ANCHOR
3418	Australia	2002210257	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
3419	Australia	2002210258	Granted	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
3420	Australia	2002211985	Granted	THERMOELASTIC ACTUATOR DESIGN
3421	Australia	2002214848	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead
3422	Australia	2002214852	Granted	ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINthead
3423	Australia	2002224665	Granted	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINthead
3424	Australia	2002224667	Granted	FLOODED NOZZLE DETECTION
3425	Australia	2002226191	Granted	NOZZLE GUARD ALINGNMENT FOR AN INK JET PRINthead
3426	Australia	2002240724	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
3427	Australia	2002240725	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
3428	Australia	2002240726	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
3429	Australia	2002240727	Granted	PRINthead ASSEMBLY CAPPING DEVICE
3430	Australia	2002240728	Granted	PRINthead MODULE ASSEMBLY
3431	Australia	2002304985	Granted	MOTION TRANSMITTING STRUCTURE FOR A NOZZLE ARRANGEMENT OF A PRINthead CHIP FOR AN INKJET PRINthead
3432	Australia	2002304986	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
3433	Australia	2002304987	Granted	HIGH VOLUME PAGEWIDTH PRINTING
3434	Australia	2002304988	Granted	A PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH PRINTER
3435	Australia	2002304989	Granted	WIDE FORMAT PAGEWIDTH INKJET PRINTER

Exhibit A, Page 111

	Country	Official No.	Case Status	Title
3436	Australia	2002304992	Granted	PROCESSING OF IMAGES FOR HIGH VOLUME PAGEWIDTH PRINTING
3437	Australia	2002304993	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
3438	Australia	2002317029	Granted	PRINTING CARTRIDGE WITH RADIO FREQUENCY IDENTIFICATION
3439	Australia	2002317030	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
3440	Australia	2002317630	Granted	IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
3441	Australia	2002317636	Granted	A PRINTING CARTRIDGE WITH CAPACITY SENSOR IDENTIFICATION
3442	Australia	2002319007	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
3443	Australia	2002319008	Granted	A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION
3444	Australia	2002319009	Granted	INKJET PRINthead HAVING THERMAL BEND ACTUATOR
3445	Australia	2002319010	Granted	HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
3446	Australia	2002323712	Granted	PRINTER INCLUDING PRINthead CAPPING MECHANISM
3447	Australia	2002325070	Granted	A FIELD ACTUATED INK JET
3448	Australia	2002325589	Granted	A KEYBOARD
3449	Australia	2002325589	Granted	A THERMALLY ACTUATED INK JET
3450	Australia	2002325623	Granted	INKJET COLLIMATOR
3451	Australia	2002325636	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
3452	Australia	2002325637	Granted	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
3453	Australia	2002325638	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
3454	Australia	2002325639	Granted	SYMMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK JET PRINthead CHIP
3455	Australia	2002325640	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP FOR AN INKJET PRINthead
3456	Australia	2002328661	Granted	INK JET PRINthead CHIP WITH PREDETERMINED MICRO-ELECTROMECHANICAL SYSTEMS HEIGHT
3457	Australia	2002328663	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINthead
3458	Australia	2002331409	Granted	INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK PUSHER
3459	Australia	2002344712	Granted	PRINTING CARTRIDGE WITH AN INTEGRATED CIRCUIT DEVICE
3460	Australia	2002344713	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
3461	Australia	2002356075	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
3462	Australia	2002356076	Granted	RESIDUE REMOVAL FROM NOZZLE-GUARD FOR INK JET PRINthead
3463	Australia	2002356077	Granted	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINthead
3464	Australia	2002361690	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
3465	Australia	2002368028	Granted	NOZZLE GUARD FOR A PRINthead
3466	Australia	2003202647	Granted	MOBILE PHONE WITH SWIPE PRINTER

Exhibit A, Page 112

	Country	Official No.	Case Status	Title
3466	Australia	2003202648	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
3467	Australia	2003235194	Granted	A METHOD OF ASSEMBLING A PRINTHEAD SUPPORT ASSEMBLY
3468	Australia	2003235383	Granted	PRINTHEAD SUPPORT ASSEMBLY
3469	Australia	2003248305	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3470	Australia	2003248306	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3471	Australia	2003248307	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3472	Australia	2003248309	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3473	Australia	2003248310	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3474	Australia	2003261517	Granted	CONTROLLER FOR A PRINTER MODULE
3475	Australia	2003261518	Granted	A COLOR PRINTER MODULE CONTROLLER
3476	Australia	2003262325	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
3477	Australia	2003275786	Granted	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP
3478	Australia	2003275787	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
3479	Australia	2003275788	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD
3480	Australia	2003275790	Granted	THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
3481	Australia	2003275792	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
3482	Australia	2003275793	Granted	Thermal Ink Jet Printhead With High Nozzle Areal Density
3483	Australia	2003275795	Granted	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER
3484	Australia	2003275797	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
3485	Australia	2003275798	Granted	THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
3486	Australia	2003275799	Granted	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
3487	Australia	2003280214	Granted	STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINTHEAD
3488	Australia	2003280215	Granted	HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
3489	Australia	2003302611	Granted	DEAD NOZZLE COMPENSATION
3490	Australia	2004200363	Granted	AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINTHEAD
3491	Australia	2004200365	Granted	MODULAR PRINTHEAD ASSEMBLY
3492	Australia	2004200366	Granted	PRINTHEAD WITH INK RESERVOIR AND BREATHER HOLE
3493	Australia	2004200367	Granted	INK JET PRINTHEAD WITH FLEX PCB IN INK FLOW PATH
3494	Australia	2004200368	Granted	MODULAR INKJET PRINTHEAD ASSEMBLY
3495	Australia	2004200999	Granted	METHOD OF MANUFACTURING A PRINTHEAD ASSEMBLY
3496	Australia	2004201738	Granted	A STACKABLE PRINTER SYSTEM
3497	Australia	2004201740	Granted	VALIDATION CHIP
3498	Australia	2004201741	Granted	WIDE FORMAT PRINTER

Exhibit A, Page 113

	Country	Official No.	Case Status	Title
3499	Australia	2004201742	Granted	CONSUMABLES VALIDATION CHIP
3500	Australia	2004201743	Granted	THERMAL ACTUATOR WITH HEAT SINKS
3501	Australia	2004201747	Granted	COMPACT PRINTER WITH NOZZLE CAPPING MECHANISM
3502	Australia	2004202250	Granted	LONG LIFE ACTUATOR ELEMENT
3503	Australia	2004202252	Granted	LIQUID EJECTION USING A MICRO-ELECTROMECHANICAL DEVICE
3504	Australia	2004202404	Granted	AN INK JET PRINthead THAT INCORPORATES FLUIDIC SEALS
3505	Australia	2004202405	Granted	AN INK JET PRINthead INCORPORATING AN ARRAY OF NOZZLE ASSEMBLIES
3506	Australia	2004202407	Granted	PRINT ENGINE CONTROLLER WITH DITHERING AND COMPOSITING CIRCUITRY
3507	Australia	2004202408	Granted	A PRINT ENGINE CONTROLLER FOR A PAGEWIDTH INKJET PRINT HEAD
3508	Australia	2004202409	Granted	COMPACT PRINTER MODULE FOR AN IMAGING SYSTEM
3509	Australia	2004202885	Granted	A PRINthead ASSEMBLY WITH AN INK FEED ARRANGEMENT
3510	Australia	2004202886	Granted	FLUIDIC SEAL FOR INK JET NOZZLES
3511	Australia	2004202887	Granted	PRINthead NOZZLES USING VISCOUS DRAG
3512	Australia	2004202888	Granted	NOZZLE CONTAINMENT FORMATION FOR INK JET PRINthead METHOD FOR OPERATING NOZZLES IN AN INK JET PRINthead
3513	Australia	2004202942	Granted	PRINthead
3514	Australia	2004202953	Granted	PRINTER AND PRINthead WITH ACTIVE DEBRIS PREVENTION
3515	Australia	2004202968	Granted	INKJET PRINthead HAVING NOZZLE GUARD WITH FORMATIONS FOR PROPER ALIGNMENT
3516	Australia	2004202971	Granted	PRINthead WITH LAMINATED INK DISTRIBUTION ASSEMBLY
3517	Australia	2004202999	Granted	PAGE-WIDTH PRINthead
3518	Australia	2004203186	Granted	A METHOD OF FABRICATING A PRINthead WITH NOZZLE PROTECTION
3519	Australia	2004203188	Granted	AN EJECTOR SYSTEM FOR A PRINT ENGINE
3520	Australia	2004203190	Granted	AN INK SUPPLY ARRANGEMENT FOR A PRINT ENGINE
3521	Australia	2004203191	Granted	PUMP ASSEMBLY FOR A PRINT ENGINE
3522	Australia	2004203192	Granted	A MOTOR ARRANGEMENT FOR A PRINT ENGINE
3523	Australia	2004203193	Granted	A CLOSURE MECHANISM FOR A PRINthead
3524	Australia	2004203195	Granted	SEAL SUITABLE FOR USE IN A MICRO ELECTRO-MECHANICAL DEVICE
3525	Australia	2004203198	Granted	MODULAR PAGEWIDTH PRINthead HAVING REPLACEABLE PRINthead MODULES
3526	Australia	2004203199	Granted	AN INK SUPPLY ASSEMBLY
3527	Australia	2004203239	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
3528	Australia	2004203499	Granted	INK CHANNEL EXTRUSION FOR A PRINTER ASSEMBLY
3529	Australia	2004203500	Granted	DATA AND POWER SUPPLY ASSEMBLY FOR A PRINthead
3530	Australia	2004203501	Granted	PRINT NOZZLE HAVING A NOZZLE POKER
3531	Australia	2004203502	Granted	NOZZLE FOR AN INK JET PRINthead
3532	Australia	2004203504	Granted	A METHOD OF SELECTING MATERIAL FOR USE AS AN EXPANSIVE ELEMENT IN A THERMOELASTIC ACTUATOR DESIGN
3533	Australia	2004203505	Granted	METHOD FOR INK JET PRINT IMAGE COMPENSATION

Exhibit A, Page 114

	Country	Official No.	Case Status	Title
3534	Australia	2004203506	Granted	METHOD FOR INK JET FAULT COMPENSATION USING EXTRA INK DOTS
3535	Australia	2004203508	Granted	INK JET FAULT TOLERANCE METHOD
3536	Australia	2004203509	Granted	PRINthead WITH AIR SUPPLY ARRANGEMENT
3537	Australia	2004203510	Granted	PRINthead ASSEMBLY WITH CAPPING ARRANGEMENT
3538	Australia	2004205292	Granted	A SYSTEM FOR AUTHENTICATING AN OBJECT
3539	Australia	2004205299	Granted	PRINTER CONTROLLER FOR A COLOUR PRINTER
3540	Australia	2004205300	Granted	PRINT CONTROL OF COLOUR AND BLACK DATA
3541	Australia	2004210568	Granted	A PAGEWIDTH INKJET PRINTER FOR USE WITH A PRINT CARTRIDGE
3542	Australia	2004210569	Granted	PRINthead ASSEMBLY INCORPORATING AN INK DISTRIBUTION STRUCTURE
3543	Australia	2004210570	Granted	A PRINTER THAT INCORPORATES A MECHANISM FOR SEPARATING A SHEET OF MEDIA FROM A STACK OF SHEETS
3544	Australia	2004210571	Granted	A PRINTER INCORPORATING AN APPARATUS FOR SEPARATING A SHEET OF PRINT MEDIA FROM A STACK OF SHEETS
3545	Australia	2004210572	Granted	A MICRO-ELECTROMECHANICAL ACTUATOR WITH BUCKLE RESISTANT PROPERTIES
3546	Australia	2004210576	Granted	A PRINthead ASSEMBLY WITH AN INK DISTRIBUTION ARRANGEMENT
3547	Australia	2004210577	Granted	A PRINthead ASSEMBLY INCORPORATING A PLURALITY OF PRINthead MODULES
3548	Australia	2004214595	Granted	A MODULAR PRINthead ASSEMBLY WITH THERMAL DISTORTION COMPENSATION
3549	Australia	2004214596	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION DEvICE INCORPORATING A MOVABLE NOZZLE STRUCTURE
3550	Australia	2004214600	Granted	A PAGEWIDTH PRINthead DEFINING AN ARRAY OF NOZZLES WITH PREDETERMINED GROUPINGS
3551	Australia	2004214601	Granted	A PRINT ENGINE FOR A PAGEWIDTH PRINthead INCORPORATING MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENTS
3552	Australia	2004214602	Granted	A COMPACT PRINTER WITH CONNECTORS FOR MODULAR DEvICES
3553	Australia	2004214608	Granted	PRINT ENGINE/CONTROLLER WITH HALF-TONER/COMPOSITOR
3554	Australia	2004220739	Granted	A MODULAR IMAGE CAPTURE AND PRINTING DEvICE
3555	Australia	2004220740	Granted	A PRINthead MODULE WITH A FLUID SUPPLY AND VALVE TO CLOSE THE FLUID SUPPLY
3556	Australia	2004220743	Granted	A PRINTER ASSEMBLY FOR USE WITH A DETACHABLE PRINT CARTRIDGE
3557	Australia	2004220745	Granted	MODULAR PRINthead ASSEMBLY WITH THERMAL EXPANSION COMPENSATION
3558	Australia	2004220747	Granted	PRINT ENGINE FOR A PAGEWIDTH INKJET PRINTER
3559	Australia	2004220748	Granted	PAGEWIDTH INKJET PRINTER WITH AN INK DISTRIBUTION ASSEMBLY
3560	Australia	2004221355	Granted	A printing and display device
3561	Australia	2004226966	Granted	Validating an Authentication Chip Using a Secret Key

Exhibit A, Page 115

	Country	Official No.	Case Status	Title
3562	Australia	2004226967	Granted	Miniscus Seal in Inkjet Nozzle Chamber
3563	Australia	2004226968	Granted	Miniscus Seal for Inkjet Nozzles
3564	Australia	2004226969	Granted	Forming a Bend Actuator of a Micro-Electromechanical Device
3565	Australia	2004226970	Granted	Inkjet Printer Having Compensation for Overlapping Printhead Elements
3566	Australia	2004233532	Granted	A PRINTING METHOD INCLUDING COMPENSATION FOR FAULTY PRINTING DEVICES
3567	Australia	2004233534	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
3568	Australia	2004233535	Granted	A PRINTER INCLUDING A PRINthead HAVING POSITIVE AIR PRESSURE ZONE
3569	Australia	2004233536	Granted	A PRINthead HAVING A NOZZLE ARRANGEMENT WITH NOZZLE OPENINGS IN MOVEABLE WALL OF THE NOZZLE CHAMBER
3570	Australia	2004233538	Granted	AN INKJET NOZZLE STRUCTURE HAVING A STRUCTURE FOR CORRECTING THE DIRECTION OF INK EJECTION
3571	Australia	2004233541	Granted	A PRINTER FOR DOUBLE SIDED PRINTING
3572	Australia	2004233545	Granted	A PRINTER FOR CONSUMER ELECTRONICS SYSTEMS
3573	Australia	2004235681	Granted	INK JET EJECTOR
3574	Australia	2004314459	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
3575	Australia	2004314460	Granted	DIGITAL PHOTOFINISHING SYSTEM
3576	Australia	2004314461	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
3577	Australia	2004314462	Granted	SELF CONTAINED WALLPAPER PRINTER
3578	Australia	2004314463	Granted	WEB PRINTING SYSTEM
3579	Australia	2004314465	Granted	High Speed Digital Printer Unit
3580	Australia	2004314466	Granted	Printer Unit Employing Vertically Disposed Media Storage and Collection Areas
3581	Australia	2004314467	Granted	Network Inkjet Printer Unit Having Multiple Media Input Trays
3582	Australia	2004314468	Granted	Inkjet Printer Unit Having a High Speed Print Engine
3583	Australia	2004314469	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
3584	Australia	2004314613	Granted	Combination Printer and Image Reader in L-Shaped Configuration
3585	Australia	2004320526	Granted	Method for at least partially compensating for errors in ink dot placement due to erroneous rotational displacement
3586	Australia	2004322632	Granted	SYMMETRIC NOZZLE ARRANGEMENT
3587	Australia	2004325542	Granted	Capping System for Inkjet Printers Having Arcuately Moveable Printheads
3588	Australia	2004325543	Granted	Inkjet Printer with Capping Mechanism
3589	Australia	2004325544	Granted	Capping system for inkjet printhead assembly
3590	Australia	2004325546	Granted	Two-Stage Capping Mechanism for Inkjet Printers
3591	Australia	2004325941	Granted	Wall Mountable Printer With Removable Cartridge
3592	Australia	2005200078	Granted	ASSEMBLY OF INKJET PRINtheads INTO INKJET PRINthead STRUCTURE
3593	Australia	2005200079	Granted	PRINTING CONTROL BASED ON BARCODE IDENTIFICATION OF PRINTING CARTRIDGE

Exhibit A, Page 116

	Country	Official No.	Case Status	Title
3594	Australia	2005200080	Granted	PRINTING CONTROL BASED ON SWITCH ARRAY IDENTIFICATION
3595	Australia	2005200088	Granted	PRINTING CONTROL BASED ON TWO DIMENSIONAL CODE INDICATIVE OF PRINTING CARTRIDGE
3596	Australia	2005200090	Granted	PRINTING CONTROL BASED ON PRESSURE SENSOR ARRAY IDENTIFICATION
3597	Australia	2005200189	Granted	INK JET PRINthead WITH INK ISOLATED NOZZLE ACTUATOR
3598	Australia	2005200190	Granted	PRINTER HAVING PRINthead ASSEMBLY WITH CAPPING ARRANGEMENT
3599	Australia	2005200191	Granted	PRINTING CONTROL BASED ON RADIO FREQUENCY IDENTIFICATION OF PRINTING CARTRIDGE
3600	Australia	2005200200	Granted	A METHOD OF IDENTIFYING PRINTING CARTRIDGE CHARACTERISTICS WITH CAPACITIVE SENSORS
3601	Australia	2005200211	Granted	PRINTING DEVICE WITH PRINTING CONTROL BASED ON INTEGRATED CIRCUIT DEVICE OF PRINTING CARTRIDGE
3602	Australia	2005200212	Granted	INK JET NOZZLE ASSEMBLY WITH EXTERNALLY ARRANGED NOZZLE ACTUATOR
3603	Australia	2005200473	Granted	PRINthead ASSEMBLY HAVING INK DISTRIBUTION STRUCTURE
3604	Australia	2005200474	Granted	PRINT ENGINE/CONTROLLER CONFIGURED TO SYNCHRONIZE OUTPUT FROM HALF-TONER/COMPOSITOR TO PRINthead
3605	Australia	2005200479	Granted	THERMAL BEND ACTUATOR
3606	Australia	2005200480	Granted	DEVICE HAVING PRINthead FOR ENGAGEMENT WITH REMOVABLE PRINT CARTRIDGE
3607	Australia	2005200486	Granted	INK CARTRIDGE HAVING SLIDABLE SEAL MEMBER
3608	Australia	2005200763	Granted	Printhead Arrangement System
3609	Australia	2005200766	Granted	Nozzle Poker Within a Nozzle of an Inkjet Printhead
3610	Australia	2005200939	Granted	Printer Having Printhead Support Assembly
3611	Australia	2005200944	Granted	Printhead Assembly Having Two-Shot Ink Supply Molding
3612	Australia	2005200945	Granted	Integrated Circuit for Authenticating an Object
3613	Australia	2005201279	Granted	Inkjet Printhead Having Flooded Inkjet Nozzle Detectors
3614	Australia	2005201282	Granted	Printhead Assembly Having Channel Retaining and Sealing Inkjet Printhead Modules
3615	Australia	2005201829	Granted	MODULAR PRINthead HAVING PRINthead MODULE ALIGNMENT MECHANISM
3616	Australia	2005201831	Granted	PRINthead ASSEMBLY HAVING INK DISTRIBUTION STRUCTURES
3617	Australia	2005201832	Granted	LAMINATED SUPPORT STRUCTURE FOR SILICON PRINthead MODULES
3618	Australia	2005201838	Granted	A PAGEWIDTH PRINthead ASSEMBLY
3619	Australia	2005202027	Granted	INK JET PRINthead HAVING MISDIRECTED INK ISOLATION FORMATIONS
3620	Australia	2005202028	Granted	METHOD FOR FAULT TOLERANCE PRINTING
3621	Australia	2005202029	Granted	A PRINTING METHOD WITH NOZZLE-FAULT COMPENSATION
3622	Australia	2005202040	Granted	REDUCING NOZZLE BUILDUP BY PROVIDING POSITIVE AIR PRESSURE ZONE
3623	Australia	2005202041	Granted	SEALING MEANS FOR AN INKJET PRINthead

Exhibit A, Page 117

	Country	Official No.	Case Status	Title
3624	Australia	2005202042	Granted	Printing Cartridge with an Integrated Circuit Device METHOD OF COMPENSATING FOR FAULTY INKJET PRINTHEAD NOZZLES
3625	Australia	2005202437	Granted	
3626	Australia	2005202922	Granted	A PRINTHEAD ASSEMBLY FOR AN INKJET PRINTER CONSUMER ELECTRONIC DEVICE COMPRISING INKJET PRINTER SYSTEM
3627	Australia	2005202930	Granted	Inkjet Printer for Installation Within Consumer Electronic (CE) Systems
3628	Australia	2005203473	Granted	Printer Stack Arrangement
3629	Australia	2005203474	Granted	Modular Printer and Printhead Assembly Therefore
3630	Australia	2005203475	Granted	Modular Printer with Ink Drying Means for Print Media
3631	Australia	2005203477	Granted	Inkjet Printhead with Paired Nozzle Rows
3632	Australia	2005203479	Granted	Inkjet Printhead with Moveable Nozzles
3633	Australia	2005203480	Granted	Ink Ejection Device with Non-Uniform Resistance Thermal Bend Actuator
3634	Australia	2005203481	Granted	Inkjet Printhead with Excess Actuator Movement Detection
3635	Australia	2005203482	Granted	Printhead with Overlapping Arrays of Nozzles
3636	Australia	2005203484	Granted	Method of Fabricating an Image Printing Control System
3637	Australia	2005203488	Granted	Ink Jet Nozzle with Actuator Mechanism Between Nozzle Chamber and Ink Supply
3638	Australia	2005239715	Granted	Thermal Actuator with Corrugated Heater Element
3639	Australia	2005239718	Granted	Ink Jet Nozzle Having Two Fluid Ejection Apertures and a Moveable Paddle Vane
3640	Australia	2005239722	Granted	Inkjet Nozzle Arrangement Having Paddle Forming a Portion of a Wall
3641	Australia	2005242159	Granted	Nozzle Chamber with Paddle vane and Externally Located Thermal Actuator
3642	Australia	2005242163	Granted	Ink Jet Nozzle with Slotted Sidewall and Moveable Vane
3643	Australia	2005242168	Granted	Process for Modifying the Surface Profile of an Ink Supply Channel in a Printhead
3644	Australia	2005254115	Granted	INKJET PRINTHEAD PRODUCTION METHOD
3645	Australia	2005324288	Granted	Inkjet Printhead Having Isolated Nozzles
3646	Australia	2005329726	Granted	Feed mechanism for maintaining constant web tension in a wide format printer
3647	Australia	2005336512	Granted	Printhead maintenance station
3648	Australia	2005337418	Granted	Printhead with elongate nozzles
3649	Australia	2005337419	Granted	Method of maintaining a printhead using air blast cleaning
3650	Australia	2005337421	Granted	Low loss electrode connection for inkjet printhead
3651	Australia	2005337424	Granted	Printhead maintenance assembly with film transport of ink
3652	Australia	2005337425	Granted	METHOD OF MODULATING PRINTHEAD PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
3653	Australia	2005338846	Granted	Pulse damped fluidic architecture
3654	Australia	2006201083	Granted	Printhead maintenance assembly comprising maintenance roller and cleaning mechanism
3655	Australia	2006201084	Granted	Method of removing particulates from a printhead using a rotating roller
3656	Australia	2006201204	Granted	
3657	Australia	2006202032	Granted	INKJET PRINTER WITH ELECTROSTATICALLY ACTUATED

Exhibit A, Page 118

	Country	Official No.	Case Status	Title
				PLATES
3658	Australia	2006202034	Granted	INKJET NOZZLE ACTUATED BY MAGNETIC PULSES
3659	Australia	2006202036	Granted	INKJET PRINTER WITH ELECTROMAGNETICALLY ACTUATED INK PLUNGER
3660	Australia	2006202037	Granted	INKJET PRINTER WITH MAGNETIC PISTON ACTUATOR
3661	Australia	2006202038	Granted	INKJET NOZZLE WITH LORENZ FORCE ACTUATOR
3662	Australia	2006202039	Granted	INKJET NOZZLE WITH ELECTROMAGNETIC SHUTTER
3663	Australia	2006202041	Granted	INKJET NOZZLE WITH SOLENOID ACTUATOR
3664	Australia	2006202043	Granted	INKJET NOZZLE WITH MAGNETIC ACTUATOR CHAMBER
3665	Australia	2006202155	Granted	INKJET NOZZLE WITH TAPERED MAGNETIC PLUNGER
3666	Australia	2006203378	Granted	A MODULAR PRINTHEAD ASSEMBLY INCORPORATING A CAPPING DEVICE
3667	Australia	2006203379	Granted	A MODULAR PRINTHEAD ASSEMBLY INCORPORATING A PLURALITY OF COMPLEMENTARY PRINTHEAD MODULES
3668	Australia	2006203381	Granted	INK JET PRINTHEAD HAVING AN ARRAY OF INJET NOZZLE ASSEMBLIES ON A SUBSTRATE
3669	Australia	2006203384	Granted	A THERMAL INK JET PRINTHEAD WITH SUSPENDED HEATING ELEMENTS
3670	Australia	2006203410	Granted	MODULAR PRINTHEAD ASSEMBLY WITH PRINTHEAD MODULES SERIALLY ARRANGED ALONG INK RESERVOIR
3671	Australia	2006225215	Granted	AN INK EJECTOR FOR AN INKJET PRINTER WITH AN ARM AND PADDLE ARRANGEMENT
3672	Australia	2006225219	Granted	A PRINT ROLL UNIT WITH AN INK RESERVOIR CORE
3673	Australia	2006252272	Granted	AN APPARATUS FOR VALIDATING A DEVICE USING FIRST AND SECOND KEYS
3674	Australia	2006252277	Granted	AN APPARATUS FOR VALIDATING A DEVICE
3675	Australia	2006252321	Granted	AN INK JET PRINTER WITH PRINT MEDIUM AND INK CARTRIDGE
3676	Australia	2006252329	Granted	A UNIT CELL OF A PRINTHEAD ON A MULTI-LAYERED SUBSTRATE
3677	Australia	2006301900	Granted	PRINTHEAD MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
3678	Australia	2006301901	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD USING A ROTATING ROLLER
3679	Australia	2006339164	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
3680	Australia	2006346021	Granted	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A DITHER MATRIX
3681	Australia	2007219700	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
3682	Australia	2008207608	Granted	Method for at least partially compensating for errors in ink dot placement due to erroneous rotational displacement
3683	Australia	2008221546	Granted	METHOD FOR FACILITATING MAINTENANCE OF INKJET PRINTER
3684	Australia	2008229654	Granted	A Print Engine for an Inkjet Printer
3685	Australia	2009202983	Granted	INKJET PRINTER CARTRIDGE WITH FIXATIVE DELIVERY CAPABILITIES
3686	Australia	2009202986	Granted	INKJET PRINTER CARTRIDGE WITH INTEGRAL MAINTENANCE STATION

Exhibit A, Page 119

	Country	Official No.	Case Status	Title
3687	Australia	2009202990	Granted	INKJET PRINTER CARTRIDGE WITH INK REFILL PORT HAVING MULTIPLE INK COUPLINGS
3688	Australia	2009202991	Granted	METHOD FOR FACILITATING THE UPGRADE OF AN INKJET PRINTER
3689	Australia	2009202993	Granted	INKJET PRINTER CRADLE WITH INTEGRATED CARTRIDGE ENGAGING MECHANISM
3690	Australia	2009202994	Granted	INKJET PRINTER CRADLE WITH COMPRESSED AIR DELIVERY SYSTEM
3691	Australia	2009202995	Granted	INKJET PRINTER CARTRIDGE REFILL DISPENSER
3692	Australia	2009202996	Granted	INKJET PRINTER CARTRIDGE REFILL DISPENSER WITH SECURITY LOCK FOR SPENT REFILL
3693	Australia	2009202998	Granted	SECURE METHOD OF REFILLING AN INKJET PRINTER CARTRIDGE
3694	Australia	2009203012	Granted	Method of manufacturing left-handed and right-handed printhead modules
3695	Australia	2009203015	Granted	A PRINTER COMPRISING A PRINthead AND AT LEAST TWO PRINTER CONTROLLERS CONNECTED TO A COMMON INPUT OF THE PRINthead
3696	Australia	2009203025	Granted	PRINTER COMPRISING TWO UNEVEN PRINthead MODULES AND AT LEAST TWO PRINTER CONTROLLERS, ONE OF WHICH SENDS PRINT DATA TO BOTH OF THE PRINthead MODULES
3697	Australia	2009203026	Granted	METHOD OF STORING BIT-PATTERN IN PLURAL DEVICES
3698	Australia	2009203027	Granted	PRINthead MODULE HAVING A DROPPED ROW
3699	Australia	2009203028	Granted	PRINthead COMPRISING DIFFERENT PRINthead MODULES
3700	Australia	2009203030	Granted	PRINthead MODULE CAPABLE OF PRINTING A MAXIMUM OF N CHANNELS OF PRINT DATA
3701	Australia	2009203031	Granted	A PRINTER COMPRISING TWO UNEVEN PRINthead MODULES AND AT LEAST TWO PRINTER CONTROLLERS, ONE OF WHICH SENDS PRINT DATA TO THE OTHER
3702	Australia	2009203032	Granted	PRINTER CONTROLLER FOR CONTROLLING A PRINthead MODULE BASED ON THERMAL SENSING
3703	Australia	2009203033	Granted	PRINTER CONTROLLER FOR SUPPLYING DATA TO A PRINthead MODULE HAVING A DROPPED ROW
3704	Australia	2010241381	Granted	Ink priming system for inkjet printhead having a bypass flow path
3705	Brazil	PI0011990-3	Pending	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
3706	Canada	2506702	Pending	THERMAL INK HET PRINthead WITH HIGH NOZZLE AREAL DENSITY
3707	Canada	2688245	Pending	METHOD OF FORMING CONNECTION BETWEEN ELECTRODE AND ACTUATOR IN AN INKJET NOZZLE ASSEMBLY
3708	Canada	2697633	Pending	MICROCAPPING OF INKJET NOZZLES
3709	Canada	2716810	Pending	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
3710	Canada	2716853	Pending	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT

Exhibit A, Page 120

	Country	Official No.	Case Status	Title
3711	Canada	2742314	Pending	INK MANIFOLD WITH MULTIPLE CONDUIT SHUT OFF VALVE
3712	Canada	2760206	Pending	PRINthead HAVING POLYSILSESQUOXANE COATING ON INK
3713	Canada	2763376	Pending	EJECTION FACE
3714	Canada	2767185	Pending	CONTINUOUS WEB PRINTER WITH SHORT MEDIA FEED PATH
3715	Canada	2767188	Pending	SOLVENT-BASED INK COMPOSITION FOR THERMAL INKJETS
3716	Canada	2767189	Pending	COMPRISING PYRROLIDINONE SOLVENT
3717	Canada	2716065	Pending	SOLVENT-BASED INKJET INKS COMPRISING SURFACE-
3718	Canada	2655306	Pending	MODIFIED PIGMENTS
3719	Canada	2662725	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH
3720	Canada	2693273	Pending	LIMITED ENCRYPTION KEY RETRIEVAL
3721	Canada	2716778	Pending	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR
3722	Canada	2719106	Pending	ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS
3723	Canada	2732738	Pending	ROTATIONAL DISPLACEMENT
3724	Canada	2355188	Granted	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A
3725	Canada	2370773	Granted	DITHER MATRIX
3726	Canada	2370840	Granted	MEMS BUBBLE GENERATOR FOR LARGE STABLE VAPOR
3727	Canada	2370849	Granted	BUBBLES
3728	Canada	2370950	Granted	Inkjet Printer with Capping Mechanism
3729	Canada	2371535	Granted	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR
3730	Canada	2373167	Granted	ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS
3731	Canada	2373184	Granted	ROTATIONAL DISPLACEMENT
3732	Canada	2373557	Granted	THERMAL BEND ACTUATOR COMPRISING BENT ACTIVE BEAM
3733	Canada	2374966	Granted	HAVING RESISTIVE HEATING BARS
3734	Canada	2390678	Granted	EFFICIENT INKJET NOZZLE ASSEMBLY
3735	Canada	2393049	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER
3736	Canada	2393053	Granted	ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3737	Canada	2393055	Granted	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL
3738	Canada	2393058	Granted	LIQUID EJECTION DEVICE
3739	Canada	2393286	Granted	THERMAL ACTUATOR SHAPED FOR MORE UNIFORM
3740	Canada	2393291	Granted	TEMPERATURE PROFILE

Exhibit A, Page 121

	Country	Official No.	Case Status	Title
3741	Canada	2400222	Granted	UNAUTHORISED MODIFICATION OF VALUES STORED IN FLASH MEMORY
3742	Canada	2400223	Granted	VALIDATION PROTOCOL AND SYSTEM
3743	Canada	2414702	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
3744	Canada	2414708	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
3745	Canada	2414735	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
3746	Canada	2414736	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
3747	Canada	2414739	Granted	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE
3748	Canada	2435272	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINthead
3749	Canada	2456707	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
3750	Canada	2456714	Granted	A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION
3751	Canada	2456728	Granted	A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
3752	Canada	2456735	Granted	PRINTING CARTRIDGE WITH RADIO FREQUENCY IDENTIFICATION
3753	Canada	2456778	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
3754	Canada	2456779	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
3755	Canada	2458596	Granted	INKJET PRINthead HAVING THERMAL BEND ACTUATOR HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
3756	Canada	2458597	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
3757	Canada	2458598	Granted	PRINTER INCLUDING PRINthead CAPPING MECHANISM
3758	Canada	2458599	Granted	AN ADHESIVE-BASED INK JET PRINthead ASSEMBLY
3759	Canada	2458602	Granted	RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINthead
3760	Canada	2458605	Granted	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINthead
3761	Canada	2458689	Granted	INKJET COLLIMATOR
3762	Canada	2458732	Granted	A KEYBOARD
3763	Canada	2482025	Granted	SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK JET PRINthead CHIP
3764	Canada	2482060	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
3765	Canada	2506678	Granted	THERMAL INK JET PRINthead WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
3766	Canada	2506694	Granted	THERMAL INK JET PRINthead WITH CAVITATION GAP
3767	Canada	2506697	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
3768	Canada	2506699	Granted	SELF-COOLING THERMAL INK JET PRINthead
3769	Canada	2506701	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
3770	Canada	2506721	Granted	INKJET PRINthead WITH CONFORMALLY COATED HEATER
3771	Canada	2506725	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS

Exhibit A, Page 122

	Country	Official No.	Case Status	Title
3772	Canada	2506728	Granted	THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
3773	Canada	2506731	Granted	HIGH EFFICIENCY THERMAL INK JET PRINthead THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
3774	Canada	2506733	Granted	DEAD NOZZLE COMPENSATION
3775	Canada	2508141	Granted	High Speed Digital Printer Unit
3776	Canada	2550774	Granted	Inkjet Printer Unit Having a High Speed Print Engine
3777	Canada	2550790	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
3778	Canada	2550799	Granted	Network Inkjet Printer Unit Having Multiple Media Input Trays
3779	Canada	2550813	Granted	PRINTING CARTRIDGE HAVING SENSORS FOR COLLECTIVE IDENTIFICATION OF MEDIA AND/OR MEDIA COLORANT AND METHOD THEREOF
3780	Canada	2564047	Granted	SYMMETRIC NOZZLE ARRANGEMENT
3781	Canada	2577338	Granted	Capping System for Inkjet Printers Having Arcuately Moveable Printheads
3782	Canada	2588621	Granted	Inkjet Printer with Capping Mechanism
3783	Canada	2588625	Granted	Capping System for Inkjet Printhead Assembly
3784	Canada	2588631	Granted	Two-Stage Capping Mechanism for Inkjet Printers
3785	Canada	2588637	Granted	Wall Mountable Printer With Removable Cartridge
3786	Canada	2588645	Granted	INKJET PRINthead PRODUCTION METHOD
3787	Canada	2591951	Granted	Print Engine Having Sealingly Engageable Printhead and Print Transfer Means
3788	Canada	2598265	Granted	Method of maintaining a printhead using air blast cleaning
3789	Canada	2619862	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
3790	Canada	2619868	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
3791	Canada	2619870	Granted	INKJET PRINTER WITH SELECTIVELY ISOLATABLE PUMP
3792	Canada	2697385	Granted	Low loss electrode connection for inkjet printhead
3793	China	200580051817.0	Pending	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A DITHER MATRIX
3794	China	200680055274.4	Pending	MEMS BUBBLE GENERATOR
3795	China	200780025903.3	Pending	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
3796	China	200810211461.8	Pending	METHOD OF FORMING LOW PROFILE WIRE BONDS BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
3797	China	200880107870.1	Pending	EFFICIENT INKJET NOZZLE ASSEMBLY
3798	China	200880131225.3	Pending	INKJET PRINthead ASSEMBLY HAVING BACKSIDE ELECTRICAL CONNECTION
3799	China	200980160208.7	Pending	PRINthead HAVING POLYSILSESQUOXANE COATING ON INK EJECTION FACE
3800	China	200980160209.1	Pending	PRINTING SYSTEM WITH FIXED PRINtheads AND MOVABLE VACUUM PLATEN
3801	China	201080028037.5	Pending	Inkjet Printer with Capping Mechanism
3802	China	201110060306.2	Pending	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
3803	China	ZL 02821504.4	Granted	A PRINthead CHIP FOR AN INK JET PRINthead
3804	China	ZL 02828743.6	Granted	

Exhibit A, Page 123

	Country	Official No.	Case Status	Title
3805	China	ZL 02828783.5	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINthead
3806	China	ZL 200410007615.3	Granted	CAPPING A PRINthead AGAINST A TRANSFER ROLLER LIQUID EJECTION USING A MICRO-ELECTROMECHANICAL DEVICE
3807	China	ZL 200410073799.3	Granted	AN INK/MEDIA SUPPLY PRINT CARTRIDGE
3808	China	ZL 200410098508.6	Granted	ACTUATOR ELEMENT
3809	China	ZL00806366.4	Granted	THERMAL ACTUATOR SHAPED FOR MORE UNIFORM TEMPERATURE PROFILE
3810	China	ZL00806403.2	Granted	A method of controlling liquid movement to and from a liquid ejection device and a device thereof
3811	China	ZL00806404.0	Granted	PAGE-WIDTH PRINthead WITH OVERLAPPING PRINthead ELEMENTS AND INTEGRAL DITHERING MATRICES
3812	China	ZL00806512.8	Granted	Printer and printhead assembly incorporating defect matched printheads and method of manufacturing and characterizing the same
3813	China	ZL00806645.0	Granted	MODULAR COMPACT PRINTER SYSTEM
3814	China	ZL00809577.9	Granted	COMPACT COLOR PRINTER MODULE
3815	China	ZL00809631.7	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
3816	China	ZL00809810.7	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
3817	China	ZL00810822.6	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
3818	China	ZL00812120.6	Granted	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE
3819	China	ZL00812121.4	Granted	A MICRO-ELECTROMECHANICAL INK EJECTION NOZZLE ARRANGEMENT HAVING A FLUIDIC SEAL BETWEEN A MOVABLE ACTUATOR AND A WALL OF THE ARRANGEMENT
3820	China	ZL00812130.3	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
3821	China	ZL00812299.7	Granted	FOUR COLOR MODULAR PRINthead SYSTEM
3822	China	ZL00816820.2	Granted	PRINT ENGINE/CONTROLLER AND PRINthead INTERFACE
3823	China	ZL00819571.4	Granted	CHIP INCORPORATING THE ENGINE/CONTROLLER
3824	China	ZL00819572.2	Granted	PRINT PAGE TAG ENCODER AND METHOD FOR ESTABLISHING PRINTED PAGE TAGS
3825	China	ZL00819573.0	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
3826	China	ZL00819574.9	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
3827	China	ZL00819575.7	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
3828	China	ZL00819576.5	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
3829	China	ZL00819577.3	Granted	INK JET PRINthead NOZZLE ARRAY
3830	China	ZL00819578.1	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
3831	China	ZL00819579.X	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
3832	China	ZL00819580.3	Granted	ROTATING PLATEN MEMBER
3833	China	ZL00819581.1	Granted	PAPER THICKNESS SENSOR IN A PRINTER
3834	China	ZL00819698.2	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS

Exhibit A, Page 124

	Country	Official No.	Case Status	Title
3835	China	ZL00819699.0	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
3836	China	ZL00819700.8	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
3837	China	ZL00819701.6	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
3838	China	ZL00819702.4	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
3839	China	ZL00819703.2	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
3840	China	ZL00819704.0	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
3841	China	ZL00819705.9	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE
3842	China	ZL00819706.7	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
3843	China	ZL00819707.5	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
3844	China	ZL00819708.3	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
3845	China	ZL00819709.1	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND AN INKDROP PRINTER WITH A PRINthead DRIVEN BY
3846	China	ZL00819710.5	Granted	MULTIPLE PRINT ENGINE/CONTROLLERS
3847	China	ZL00819711.3	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING, PRINTING WITH A MULTI-SEGMENT PRINthead AND
3848	China	ZL00819712.1	Granted	METHOD OF USING THE SAME
3849	China	ZL00819713.X	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR
3850	China	ZL00819802.0	Granted	COMMERCIAL PRINTER A PRINthead ASSEMBLY FOR A MODULAR COMMERCIAL
3851	China	ZL00819803.9	Granted	PRINTER A LOADING MECHANISM FOR A MODULAR COMMERCIAL
3852	China	ZL00819804.7	Granted	PRINTER
3853	China	ZL00819805.5	Granted	MODULAR COMMERCIAL PRINTER
3854	China	ZL01805905.8	Granted	PRINthead MODULE ARRAY CONFIGURATION
3855	China	ZL01810071.6	Granted	IMPROVED THERMAL BEND ACTUATOR METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR
3856	China	ZL01817743.3	Granted	PRINthead
3857	China	ZL01817744.1	Granted	INK FEED FOR SIX COLOR INKJET MODULAR PRINthead
3858	China	ZL01817746.8	Granted	A THERMOELASTIC EXPANSIVE ELEMENTS
3859	China	ZL01817753.0	Granted	PRINthead FOR INKJET PRINTER
3860	China	ZL01817754.9	Granted	MOVING NOZZLE INK JET ACTUATOR
3861	China	ZL01817755.7	Granted	An Inkjet Printhead with Fluidic Seal
3862	China	ZL01817756.5	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
3863	China	ZL01817757.3	Granted	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
3864	China	ZL01817758.1	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
3865	China	ZL01817759.X	Granted	ACTUATOR ANCHOR MOUNTING OF PRINthead IN SUPPORT MEMBER OF SIX
3866	China	ZL01817763.8	Granted	COLOR INKJET MODULAR PRINthead ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH
3867	China	ZL01821209.3	Granted	PRINthead
3868	China	ZL01821210.7	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead
3869	China	ZL02804312.X	Granted	NOZZLE GUARD ALIGNMENTFOR INK JET PRINthead PROTECTION OF NOZZLE STRUCTURES IN AN INK JET
3870	China	ZL02804631.5	Granted	PRINthead

Exhibit A, Page 125

	Country	Official No.	Case Status	Title
3871	China	ZL02804634.X	Granted	A Printhead Having a Nozzle Guard
3872	China	ZL02807194.8	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
3873	China	ZL02807195.6	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
3874	China	ZL02807196.4	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
3875	China	ZL02807329.0	Granted	PRINthead MODULE ASSEMBLY
3876	China	ZL02807330.4	Granted	PRINthead ASSEMBLY CAPPING DEVICE
3877	China	ZL02817289.2	Granted	INKJET COLLIMATOR
3878	China	ZL02817290.6	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
3879	China	ZL02818543.9	Granted	A KEYBOARD
3880	China	ZL02819804.2	Granted	PRINTING CARTRIDGE WITH AN INTEGRATED CIRCUIT DEVICE
3881	China	ZL02820100.0	Granted	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINthead
3882	China	ZL02820120.5	Granted	RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINthead
3883	China	ZL02820140.X	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
3884	China	ZL02821403.X	Granted	INKJET PRINthead HAVING THERMAL BEND ACTUATOR HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
3885	China	ZL02828716.9	Granted	A PRINthead CHIP FOR AN INKJET PRINthead WITH NOZZLE CHAMBERS AND DISCRETE AIR CHAMBER
3886	China	ZL02828734.7	Granted	PROCESSING OF IMAGES FOR HIGH VOLUME PAGEWIDTH PRINTING
3887	China	ZL02828735.5	Granted	A PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH PRINTER
3888	China	ZL02828736.3	Granted	HIGH VOLUME PAGEWIDTH PRINTING
3889	China	ZL02828741.X	Granted	WIDE FORMAT PAGEWIDTH INKJET PRINTER
3890	China	ZL02828742.8	Granted	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
3891	China	ZL02828744.4	Granted	MOTION TRANSMITTING STRUCTURE FOR A NOZZLE ARRANGEMENT OF A PRINthead CHIP FOR AN INKJET PRINthead
3892	China	ZL02828745.2	Granted	THERMOELASTIC INKJET ACTUATOR
3893	China	ZL02829072.0	Granted	NOZZLE GUARD FOR A PRINthead
3894	China	ZL02829092.5	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
3895	China	ZL02829149.2	Granted	INK JET PRINthead CHIP WITH PREDETERMINED MICRO-ELECTROMECHANICAL SYSTEMS HEIGHT
3896	China	ZL02829168.9	Granted	INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK PUSHER
3897	China	ZL03132885.7	Granted	PRINTER MODULE
3898	China	ZL03803862.5	Granted	MOBILE PHONE WITH SWIPE PRINTER
3899	China	ZL03803903.6	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
3900	China	ZL200310113029.2	Granted	PRINTER AND METHODS OF OPERATION

Exhibit A, Page 126

	Country	Official No.	Case Status	Title
3901	China	ZL200310113030.5	Granted	PRINTER AND METHODS OF OPERATION METHOD OF DETECTING, AND REMEDYING, FAULTS WITHIN A MICRO ELECTRO-MECHANICAL DEVICE HAVING SUPPORT STRUCTURE
3902	China	ZL200310113183.X	Granted	MICRO ELECTRO-MECHANICAL DEVICE HAVING AN INTERGRATED MOVEMENT SENSOR
3903	China	ZL200310113184.4	Granted	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP
3904	China	ZL200380103847.2	Granted	THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
3905	China	ZL200380103866.5	Granted	THERMAL INK JET PRINTHEAD WITH HIGH NOZZLE AREAL DENSITY
3906	China	ZL200380103870.1	Granted	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
3907	China	ZL200380103880.5	Granted	THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
3908	China	ZL200380103882.4	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
3909	China	ZL200380103886.2	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
3910	China	ZL200380103887.7	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
3911	China	ZL200380103890.9	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD
3912	China	ZL200380103893.2	Granted	HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
3913	China	ZL200380103916.X	Granted	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER
3914	China	ZL200380103919.3	Granted	A DUPLEX INKJET PRINTING SYSYTEM
3915	China	ZL200410007611.5	Granted	INK JET NOZZLE WITH FLUIDIC SEAL
3916	China	ZL200410034675.4	Granted	MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE DEVICE INCORPORATING A FLUIDIC SEAL
3917	China	ZL200410034679.2	Granted	OVERLAPPING PRINTHEAD MODULE ARRAY CONFIGURATION
3918	China	ZL200410056623.7	Granted	COMPACT COLOUR PRINTER MODULE
3919	China	ZL200410076861	Granted	Modular Compact Printer System
3920	China	ZL200410078976.7	Granted	METHOD FOR INK JET PRINT IMAGE COMPENSATION
3921	China	ZL200410080120.3	Granted	A micro-electromechanical ink ejection nozzle arrangement having a fluidic seal between a moveable actuator and a wall of the arrangement
3922	China	ZL200410083590.5	Granted	A PRINTHEAD ASSEMBLY WITH AN INK DISTRIBUTION ARRANGEMENT
3923	China	ZL200410086700.3	Granted	A PRINT ENGINE SUB-ASSEMBLY
3924	China	ZL200410096503.X	Granted	AN EJECTOR SYSTEM FOR A PRINT ENGINE
3925	China	ZL200410096682.7	Granted	A CLOSURE MECHANISM FOR A PRINTHEAD
3926	China	ZL200410096954.3	Granted	INKJET FAULT TOLERANCE METHOD
3927	China	ZL200410103618.7	Granted	A Printing and Display Device
3928	China	ZL200480007572.7	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
3929	China	ZL200480040775.6	Granted	High Speed Digital Printer Unit
3930	China	ZL200480040776.0	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
3931	China	ZL200480040777.5	Granted	PRINTHEAD ASSEMBLY AND PRINTHEAD MODULE FOR SAME
3932	China	ZL200480040778.X	Granted	Inkjet Printer Unit Having a High Speed Print Engine
3933	China	ZL200480040779.4	Granted	Network Inkjet Printer Unit Having Multiple Media Input
3934	China	ZL200480040828.4	Granted	

Exhibit A, Page 127

	Country	Official No.	Case Status	Title
				Trays
3935	China	ZL200480043828.X	Granted	SYMMETRIC NOZZLE ARRANGEMENT
3936	China	ZL200480044550.8	Granted	Capping/Purging System for Inkjet Printhead Assembly
3937	China	ZL200480044551.2	Granted	Inkjet Printer with Capping Mechanism
3938	China	ZL200510000227.7	Granted	A pump assembly for a print engine
3939	China	ZL200510000355.1	Granted	METHOD AND APPARATUS FOR PRINTING AN IMAGE PRINT ENGINE/CONTROLLER WITH HALF- TONER/COMPOSITOR
3940	China	ZL200510001846.8	Granted	
3941	China	ZL200510002659.1	Granted	Ink Cartridge Having Slidable Seal Member Inkjet Nozzle Assembly with Externally Arranged Nozzle Actuator
3942	China	ZL200510051087.6	Granted	Page-Width Printhead with Overlapping Printhead Elements and Integral Dithering Matrices
3943	China	ZL200510051133.2	Granted	
3944	China	ZL200510053654.1	Granted	Ink Jet Printhead Nozzle Array
3945	China	ZL200510053798.7	Granted	PRINthead ASSEMBLY WITH AN INK FEED ARRANGEMENT
3946	China	ZL200510053799.1	Granted	Ink Jet Printhead with Ink Isolated Nozzle Actuator
3947	China	ZL200510055332.0	Granted	Printhead with Air Supply Arrangement
3948	China	ZL200510058927.1	Granted	Means for Presenting Data Inkjet Printer Having Compensation for Overlapping Printhead Elements
3949	China	ZL200510063190.2	Granted	
3950	China	ZL200510063942.5	Granted	Improved Thermal Bend Actuator
3951	China	ZL200510064548.3	Granted	An Ink Supply Arrangement For A Print Engine
3952	China	ZL200510065544.7	Granted	A Duplex Network Color Printer
3953	China	ZL200510071908.2	Granted	Laminated Ink Distribution Assembly for a Printer A Print Engine Controller, Printer, and method of Processing Image Data
3954	China	ZL200510072033.8	Granted	A Pagewidth Printhead Defining an Array of Nozzles with Predetermined Groupings
3955	China	ZL200510079878.X	Granted	
3956	China	ZL200510080423.X	Granted	An Ink Supply Assembly Process for Modifying the Surface Profile of an Ink Supply Channel in a Printhead
3957	China	ZL200580019635.5	Granted	
3958	China	ZL200580043675.3	Granted	Printhead Chip Having Longitudinal Ink Supply Channels
3959	China	ZL200580046176.X	Granted	INKJET PRINthead PRODUCTION METHOD PRINthead CARTRIDGE INTERFACE HAVING POWER REGULATION
3960	China	ZL200580052224.6	Granted	
3961	China	ZL200610002764.X	Granted	Print controller having tag encoder
3962	China	ZL200610145965.5	Granted	Inkjet printhead having residue cleaned nozzle guard PRINthead ASSEMBLY HAVING PRINthead MODULES RETAINED BY FLEXIBLE CHANNEL
3963	China	ZL200610167237.4	Granted	
3964	China	ZL200680037961.3	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
3965	China	ZL200680056060.9	Granted	PRINthead IC WITH OPEN ACTUATOR TEST METHOD OF FABRICATING PRINthead HAVING HYDROPHOBIC INK EJECTION FACE
3966	China	ZL200780051615.5	Granted	
3967	China	ZL200810185138.8	Granted	Refill Unit for Refilling Ink Storage for Printhead Assembly
3968	China	ZL99813084.2	Granted	PRINTER AND METHODS OF OPERATION
3969	China	ZL99814485.1	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER

Exhibit A, Page 128

	Country	Official No.	Case Status	Title
				ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
3971	Denmark	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM
3972	Denmark	1567349	Granted	HEATER
				THERMAL INK JET PRINthead WITH LOW HEATER MASS
3973	Denmark	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE
3974	Denmark	1572463	Granted	FORMATION
				DEAD NOZZLE COMPENSATION
3975	Denmark	1937480	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead
				USING A ROTATING ROLLER
				MULTIPLE CONDUIT FLUID COUPLING WITH LEAKAGE FLOW
				CONTROL
3976	Europe	08700340.6	Pending	LOW INSERTION FORCE FLUID COUPLING
3977	Europe	08700342.2	Pending	
				PRINTER WITH GAS BUBBLE OCCLUSION RESISTANT
3978	Europe	08714380.6	Pending	CONDUITS
				PRINTER HAVING RECYCLING INK AND PRESSURE-EQUALIZED
3979	Europe	08782925.5	Pending	UPSTREAM AND DOWNSTREAM INK LINES
3980	Europe	04802026.7	Pending	Capping/Purging System for Inkjet Printhead Assembly
3981	Europe	05714264.8	Pending	Inkjet Printhead Having Isolated Nozzles
3982	Europe	05714350.5	Pending	Printhead Chip Having Longitudinal Ink Supply Channels
				INKJET PRINTER WITH PRINthead CARTRIDGE AND CRADLE
3983	Europe	05813459.4	Pending	THAT INTERENGAGE VIA AN OVERCENTRE MECHANISM
3984	Europe	05813460.2	Pending	SELF-REFERENCING PRINthead ASSEMBLY
3985	Europe	05813462.8	Pending	INKJET PRINTER HAVING GRIPLESS DRIVE ROLLER
				Method of removing particulates from a printhead using a
3986	Europe	06760925.5	Pending	liquid foam
				LOCALIZED SIGNAL DATA PRESERVATION WITHIN SIGNAL
3987	Europe	06817542.1	Pending	BANDWIDTH
				METHOD OF FABRICATING PRINthead HAVING
3988	Europe	07710557.5	Pending	HYDROPHOBIC INK EJECTION FACE
3989	Europe	07718588.2	Pending	Fluidically Damped Printhead
3990	Europe	07719089.0	Pending	PRINthead WITH HEATERS OFFSET FROM NOZZLES
3991	Europe	07719093.2	Pending	MEMS BUBBLE GENERATOR
3992	Europe	07815633.8	Pending	PRINthead WITH PRESSURE-DAMPENING STRUCTURES
				PRINthead WITH MATCHED RESONANT DAMPING
				STRUCTURE
3993	Europe	08700339.8	Pending	PRINthead WITH EXTERIOR SURFACE PROFILED FOR WIPING
				MAINTENANCE STATION
3994	Europe	08700341.4	Pending	
3995	Europe	08700343.0	Pending	PRINthead CARTRIDGE WITH TWO FLUID COUPLINGS
				FABRICATION OF A PRINthead INTEGRATED CIRCUIT
3996	Europe	08714426.7	Pending	ATTACHMENT FILM BY PHOTOPATTERNING
				INKJET PRINthead WITH LOW VOLTAGE INK VAPORIZING
3997	Europe	08714485.3	Pending	HEATERS
				LAMINATING APPARATUS FOR A PRINthead CARRIER SUB-
3998	Europe	08782945.3	Pending	ASSEMBLY

Exhibit A, Page 129

	Country	Official No.	Case Status	Title
3999	Europe	08782947.9	Pending	MULTI-CHIP PRINTHEAD ASSEMBLER
4000	Europe	08856020.6	Pending	MICROCAPPING OF INKJET NOZZLES PRINTHEAD WITH INCREASING DRIVE PULSE TO COUNTER HEATER OXIDE GROWTH
4001	Europe	08877915.2	Pending	HEATER OXIDE GROWTH
4002	Europe	08878823.7	Pending	INK MANIFOLD WITH MULTIPLE CONDUIT SHUT OFF VALVE DOUBLE LASER DRILLING OF A PRINTHEAD INTEGRATED CIRCUIT ATTACHMENT FILM
4003	Europe	08714425.9	Pending	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
4004	Europe	1565318	EP Granted	HEATER
4005	Europe	2338172	Pending	METHOD OF REDUCING VOIDS IN ENCAPSULANT
4006	Europe	2358536	Pending	MOLDED INK MANIFOLD WITH POLYMER COATING
4007	Europe	05791396.4	Pending	Low loss electrode connection for inkjet printhead
4008	Europe	06790345.0	Pending	PRINTHEAD IC WITH OPEN ACTUATOR TEST
4009	Europe	00929101.4	Pending	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE INK JET PRINTHEAD CHIP WITH PREDETERMINED MICRO- ELECTROMECHANICAL SYSTEMS HEIGHT
4010	Europe	02764372.5	Pending	METHOD OF REMOVING MEMS DEVICES FROM A HANDLE SUBSTRATE
4011	Europe	08733447.0	Pending	LEAK TESTER FOR A CARRIER FOR PRINTHEAD INTEGRATED CIRCUITRY
4012	Europe	08782944.6	Pending	INKJET PRINTHEAD WITH TITANIUM ALUMINIUM ALLOY HEATER
4013	Europe	08877342.9	Pending	INKJET NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
4014	Europe	08878343.6	Pending	STRUCTURE AND SEALING BRIDGE
4015	Europe	2158603	Granted	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
4017	Europe	00920259.9	Pending	ACTUATOR ELEMENT PRINT ENGINE/CONTROLLER AND PRINTHEAD INTERFACE CHIP INCORPORATING THE ENGINE/ CONTROLLER
4018	Europe	00929032.1	Pending	PRINTED PAGE TAG ENCODER
4019	Europe	00929033.9	Pending	PRINTED PAGE TAG ENCODER
4020	Europe	01903530.2	Pending	VALIDATION PROTOCOL AND SYSTEM PROCESSING OF IMAGES FOR HIGH VOLUME PAGERWIDTH PRINTING
4021	Europe	02732232.0	Pending	PRINTING
4022	Europe	03770784.1	Pending	HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
4023	Europe	04721085.1	Pending	A Printing and Display Device
4024	Europe	04761161.1	Pending	SYMMETRIC NOZZLE ARRANGEMENT Process for Modifying the Surface Profile of an Ink Supply Channel in a Printhead
4025	Europe	05714324.0	Pending	Channel in a Printhead
4026	Europe	05791455.8	Pending	Printhead with elongate nozzles PRINTHEAD CARTRIDGE INTERFACE HAVING POWER REGULATION
4027	Europe	05813461.0	Pending	REGULATION
4028	Europe	00929018.0	Validated	MODULAR COMPACT PRINTER SYSTEM
4029	Europe	0999933	Validated	MAGNETIC-FIELD-ACTUATED INK JET NOZZLE
4030	Europe	0999934	Validated	A THERMALLY ACTUATED INK JET
4031	Europe	1121249	Validated	PROCESS OF FORMING A NOZZLE FOR AN INKJET PRINTHEAD
4032	Europe	1128961	Validated	PRINTER AND METHODS OF OPERATION A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
4033	Europe	1150844	Validated	ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS

Exhibit A, Page 130

	Country	Official No.	Case Status	Title
4034	Europe	1165432	Validated	THERMAL BEND ACTUATOR AND PADDLE STRUCTURE FOR INK JET NOZZLE
4035	Europe	1171378	Validated	A METHOD OF MANUFACTURING A THERMAL BEND ACTUATOR
4036	Europe	1175301	Validated	A DUPLEX NETWORK COLOR PRINTER
4037	Europe	1177102	Validated	PAGEWIDTH WIDE FORMAT PRINTER
4038	Europe	1178888	Validated	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
4039	Europe	1185421	Validated	PAGE-WIDTH PRINthead
4040	Europe	1194369	Validated	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4041	Europe	1200262	Validated	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
4042	Europe	1204533	Validated	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
4043	Europe	1206353	Validated	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
4044	Europe	1218190	Validated	COMPACT COLOR PRINTER MODULE
4045	Europe	1218191	Validated	NOZZLE CAPPING MECHANISM
4046	Europe	1218194	Validated	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
4047	Europe	1222630	Validated	METHOD & APPARATUS FOR DITHERING
4048	Europe	1224620	Validated	COLOR CONVERSION METHOD FOR COMPACT PRINTER SYSTEM
4049	Europe	1240024	Validated	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead
4050	Europe	1242244	Validated	METHOD OF MANUFACTURING A FOUR COLOR MODULAR PRINthead
4051	Europe	1242245	Validated	FOUR COLOR MODULAR PRINthead SYSTEM
4052	Europe	1257419	Validated	COMPONENT FOR A FOUR COLOR PRINthead MODULE
4053	Europe	1257420	Validated	FOUR COLOR MODULAR PRINthead ASSEMBLY
4054	Europe	1257421	Validated	AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINthead
4055	Europe	1260053	Validated	CONSUMABLE AUTHENTICATION PROTOCOL AND SYSTEM
4056	Europe	1263593	Validated	MANUALLY ALIGNED PRINthead MODULES
4057	Europe	1263594	Validated	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINT HEAD ASSEMBLY
4058	Europe	1263595	Validated	OVERLAPPING PRINthead MODULE ARRAY CONFIGURATION
4059	Europe	1269540	Validated	MODULAR PRINthead ALIGNMENT SYSTEM
4060	Europe	1274583	Validated	THERMAL EXPANSION COMPENSATION FOR PRINT HEAD ASSEMBLIES
4061	Europe	1274584	Validated	INK JET EJECTOR
4062	Europe	1289761	Validated	ROTATING PLATEN MEMBER
4063	Europe	1289762	Validated	PAPER THICKNESS SENSOR IN A PRINTER
4064	Europe	1289763	Validated	A NOZZLE GUARD FOR AN INK JET PRINthead
4065	Europe	1289764	Validated	AIR SUPPLY ARRANGEMENT FOR A PRINTER
4066	Europe	1289765	Validated	PRINthead CAPPING ARRANGEMENT
4067	Europe	1292449	Validated	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4068	Europe	1292450	Validated	INK JET PRINthead NOZZLE ARRAY
4069	Europe	1292451	Validated	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4070	Europe	1294635	Validated	IMPROVED THERMAL BEND ACTUATOR

Exhibit A, Page 131

	Country	Official No.	Case Status	Title
4071	Europe	1296834	Validated	PRINT ENGINE/CONTROLLER WITH COLOR MASK
4072	Europe	1299239	Validated	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE
4073	Europe	1299241	Validated	AN EJECTOR MECHANISM FOR A PRINT ENGINE
4074	Europe	1299243	Validated	A SEPARATING DEVICE FOR A PRINT ENGINE
4075	Europe	1301344	Validated	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4076	Europe	1301345	Validated	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4077	Europe	1301346	Validated	BUCKLE RESISTANT THERMAL BEND ACTUATORS
4078	Europe	1301347	Validated	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
4079	Europe	1301348	Validated	A CAPPING MECHANISM FOR A PRINT ENGINE
4080	Europe	1301349	Validated	A PRINT ENGINE INCLUDING AN AIR PUMP
4081	Europe	1301351	Validated	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
4082	Europe	1303408	Validated	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4083	Europe	1303409	Validated	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
4084	Europe	1303410	Validated	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
4085	Europe	1303413	Validated	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4086	Europe	1303414	Validated	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
4087	Europe	1303415	Validated	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
4088	Europe	1303416	Validated	PRINTING FOR A MULTI-SEGMENT PRINthead
4089	Europe	1316061	Validated	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4090	Europe	1317339	Validated	A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL PRINTER
4091	Europe	1317341	Validated	A LOADING MECHANISM FOR A MODULAR COMMERCIAL PRINTER
4092	Europe	1317343	Validated	MODULAR COMMERCIAL PRINTER
4093	Europe	1317344	Validated	DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR COMMERCIAL PRINTER
4094	Europe	1333980	Validated	ACTUATOR ANCHOR
4095	Europe	1333981	Validated	MOVING NOZZLE INK JET WITH INLET RESTRICTION
4096	Europe	1341670	Validated	PRINTED MEDIA PRODUCTION
4097	Europe	1355787	Validated	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINthead
4098	Europe	1355788	Validated	NOZZLE POKER FOR MOVING NOZZLE INK JET
4099	Europe	1361957	Validated	METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR PRINthead
4100	Europe	1361959	Validated	NOZZLE GUARD ALIGNMENT FOR INK JET PRINthead
4101	Europe	1363780	Validated	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINthead
4102	Europe	1363781	Validated	FLOODED NOZZLE DETECTION
4103	Europe	1365918	Validated	PRINthead ASSEMBLY CAPPING DEVICE
4104	Europe	1379386	Validated	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL
4105	Europe	1379387	Validated	

Exhibit A, Page 132

	Country	Official No.	Case Status	Title
				EXTRUSION
4106	Europe	1379388	Validated	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
4107	Europe	1379389	Validated	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
4108	Europe	1379392	Validated	PRINthead MODULE ASSEMBLY
4109	Europe	1409253	Validated	MOVING NOZZLE INK JET ACTUATOR
4110	Europe	1409256	Validated	INK FEED FOR SIX COLOR INKJET MODULAR PRINthead
4111	Europe	1409260	Validated	MOUNTING OF PRINthead IN SUPPORT MEMBER OF SIX COLOR INKJET MODULAR PRINthead
4112	Europe	1412191	Validated	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLIES
4113	Europe	1412192	Validated	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
4114	Europe	1412193	Validated	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
4115	Europe	1414650	Validated	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
4116	Europe	1425180	Validated	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
4117	Europe	1425181	Validated	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
4118	Europe	1432582	Validated	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
4119	Europe	1432583	Validated	INK SUPPLY ARRANGEMENT FOR A PRINTER
4120	Europe	1432585	Validated	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
4121	Europe	1432586	Validated	RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINthead
4122	Europe	1432587	Validated	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINthead
4123	Europe	1432588	Validated	INKJET COLLIMATOR
4124	Europe	1481562	Validated	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
4125	Europe	1494865	Validated	SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK HET PRINthead CHIP
4126	Europe	1494866	Validated	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP FOR AN INKJET PRINthead
4127	Europe	1494867	Validated	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4128	Europe	1494868	Validated	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
4129	Europe	1494869	Validated	Motion Transmitting Structure for a Nozzle Arrangement of a Printhead Chip for an Inkjet Printhead
4130	Europe	1499500	Validated	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINthead
4131	Europe	1508443	Validated	INKJET PRINTER WITH ELECTRO-MAGNETICALLY ACTUATED INK PLUNGER
4132	Europe	1508444	Validated	INKJET PRINTER WITH ELECTROSTATICALLY ACTUATED PLATES
4133	Europe	1508445	Validated	INKJET NOZZLE WITH LORENZ FORCE ACTUATOR
4134	Europe	1508446	Validated	INKJET NOZZLE WITH SOLENOID ACTUATOR

Exhibit A, Page 133

	Country	Official No.	Case Status	Title
4135	Europe	1508448	Validated	INKJET NOZZLE WITH TAPERED MAGNETIC PLUNGER
4136	Europe	1508449	Validated	INKJET NOZZLE WITH MAGNETIC ACTUATOR CHAMBER
4137	Europe	1510339	Validated	INKJET NOZZLE ACTUATED BY MAGNETIC PULSES
4138	Europe	1510340	Validated	INKJET NOZZLE ACTUATED BY SLOTTED PLUNGER
4139	Europe	1512535	Validated	INKJET PRINTER WITH MAGNETIC PISTON ACTUATOR
4140	Europe	1513687	Validated	NOZZLE GUARD FOR A PRINTHEAD
4141	Europe	1519341	Validated	INKJET NOZZLE WITH ELECTROMAGNETIC SHUTTER
4142	Europe	1520697	Validated	PRINT ENGINE INCLUDING TRANSFER ROLLER METHOD OF CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4143	Europe	1520698	Validated	DIGITAL PRINTING SYSTEM FOR PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4144	Europe	1520699	Validated	PRINT ENGINE INCLUDING MEANS FOR INHIBITING INK EVAPORATION
4145	Europe	1520700	Validated	CONTROLLER FOR CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4146	Europe	1535738	Validated	SELF-COOLING THERMAL INK JET PRINTHEAD
4147	Europe	1567345	Validated	THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
4148	Europe	1567346	Validated	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER
4149	Europe	1567348	Validated	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
4150	Europe	1567349	Validated	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
4151	Europe	1567351	Validated	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP
4152	Europe	1567353	Validated	STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINTHEAD
4153	Europe	1569799	Validated	THERMAL INK JET WITH THIN NOZZLE PLATE
4154	Europe	1569800	Validated	DEAD NOZZLE COMPENSATION
4155	Europe	1572463	Validated	Thermal actuator with corrugated heater element
4156	Europe	1637330	Validated	Inkjet nozzle arrangement having paddle forming a portion of a wall
4157	Europe	1640162	Validated	Ink jet nozzle with actuator mechanism between nozzle chamber and ink supply
4158	Europe	1647402	Validated	Nozzle chamber with paddle vane and externally located thermal actuator
4159	Europe	1650030	Validated	Ink jet nozzle with slotted sidewall and moveable vane
4160	Europe	1650031	Validated	Ink jet nozzle having two fluid ejection apertures and a moveable paddle vane
4161	Europe	1652671	Validated	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
4162	Europe	1706267	Validated	PRINTHEAD ASSEMBLY AND PRINTHEAD MODULE FOR SAME
4163	Europe	1706273	Validated	Cartridge Unit Having Negatively Pressurized Ink Storage
4164	Europe	1706274	Validated	WEB PRINTING SYSTEM
4165	Europe	1706276	Validated	DIGITAL PHOTOFINISHING SYSTEM
4166	Europe	1708888	Validated	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
4167	Europe	1765595	Validated	

Exhibit A, Page 134

	Country	Official No.	Case Status	Title
4168	Europe	1827836	Validated	Capping System for Inkjet Printers Having Arcuately Moveable Printheads
4169	Europe	1827837	Validated	Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
4170	Europe	1827839	Validated	Two-Stage Capping Mechanism for Inkjet Printers
4171	Europe	1827840	Validated	Capping System for Inkjet Printhead Assembly
4172	Europe	1827841	Validated	Inkjet Printer with Capping Mechanism
4173	Europe	1841598	Validated	INKJET PRINTHEAD PRODUCTION METHOD
4174	Europe	1924443	Validated	Feed mechanism for maintaining constant web tension in a wide format printer
4175	Europe	1934052	Validated	Printhead maintenance assembly with film transport of ink
4176	Europe	1934053	Validated	Printhead maintenance station
4177	Europe	1934054	Validated	PRINTHEAD MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
4178	Europe	1937480	Validated	METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD USING A ROTATING ROLLER
4179	Europe	1945459	Validated	Method of maintaining a printhead using air blast cleaning
4180	Europe	1960206	Validated	PRINTHEAD MAINTENANCE STATION HAVING MAINTENANCE BELT
4181	Europe	1991423	Validated	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
4182	Europe	2043867	Validated	INKJET PRINTHEAD WITH CONTROLLED DE-PRIME
4183	France	0999934	Granted	A THERMALLY ACTUATED INK JET
4184	France	1128961	Granted	PRINTER AND METHODS OF OPERATION
4185	France	1175301	Granted	A DUPLEX NETWORK COLOR PRINTER
4186	France	1177102	Granted	PAGEWIDTH WIDE FORMAT PRINTER
4187	France	1194369	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4188	France	1218190	Granted	COMPACT COLOR PRINTER MODULE
4189	France	1218191	Granted	NOZZLE CAPPING MECHANISM
4190	France	1221140	Granted	Capping System for Inkjet Printhead Assembly
4191	France	1242245	Granted	FOUR COLOR MODULAR PRINTHEAD SYSTEM
4192	France	1263593	Granted	MANUALLY ALIGNED PRINTHEAD MODULES
4193	France	1263594	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINT HEAD ASSEMBLY
4194	France	1263595	Granted	OVERLAPPING PRINTHEAD MODULE ARRAY CONFIGURATION
4195	France	1269540	Granted	MODULAR PRINTHEAD ALIGNMENT SYSTEM
4196	France	1274583	Granted	THERMAL EXPANSION COMPENSATION FOR PRINT HEAD ASSEMBLIES
4197	France	1274584	Granted	INK JET EJECTOR
4198	France	1289762	Granted	PAPER THICKNESS SENSOR IN A PRINTER
4199	France	1292449	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4200	France	1292450	Granted	INK JET PRINTHEAD NOZZLE ARRAY
4201	France	1292451	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4202	France	1296834	Granted	PRINT ENGINE/CONTROLLER WITH COLOR MASK
4203	France	1299243	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
4204	France	1301344	Granted	INK JET PRINTHEAD HAVING A MOVING NOZZLE WITH AN

Exhibit A, Page 135

	Country	Official No.	Case Status	Title
4205	France	1301345	Granted	EXTERNALLY ARRANGED ACTUATOR METHOD OF MANUFACTURE OF AN INK JET PRINTHEAD HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINTHEAD
4206	France	1301347	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4207	France	1303408	Granted	
4208	France	1303410	Granted	
4209	France	1303413	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4210	France	1303414	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
4211	France	1303415	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
4212	France	1303416	Granted	PRINTING FOR A MULTI-SEGMENT PRINTHEAD
4213	France	1316061	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4214	France	1379386	Granted	PRINTHEAD ASSEMBLY CAPPING DEVICE PRINTHEAD ASSEMBLY HAVING PRINTHEAD MODULES IN A CHANNEL
4215	France	1379389	Granted	
4216	France	1414650	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
4217	France	1425180	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
4218	France	1425181	Granted	
4219	France	1432583	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
4220	France	1432588	Granted	INKJET COLLIMATOR SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK HET PRINTHEAD CHIP
4221	France	1494865	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
4222	France	1494866	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4223	France	1494867	Granted	PUSHER ACTUATION IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
4224	France	1494868	Granted	
4225	France	1494869	Granted	
4226	France	1499500	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINTHEAD
4227	France	1565318	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
4228	France	1567345	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
4229	France	1567346	Granted	
4230	France	1567348	Granted	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER
4231	France	1567349	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
4232	France	1567351	Granted	
4233	France	1567353	Granted	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINTHEAD
4234	France	1569799	Granted	

Exhibit A, Page 136

	Country	Official No.	Case Status	Title
4235	France	1569800	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
4236	France	1572463	Granted	DEAD NOZZLE COMPENSATION
4237	France	1640162	Granted	Inkjet nozzle arrangement having paddle forming a portion of a wall
4238	France	1647402	Granted	Ink jet nozzle with actuator mechanism between nozzle chamber and ink supply
4239	France	1650030	Granted	Nozzle chamber with paddle vane and externally located thermal actuator
4240	France	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vane
4241	France	1706267	Granted	nozzle with slotted sidewall and moveable vane
4242	France	1706273	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
4243	France	1706274	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
4244	France	1708888	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
4245	France	1765595	Granted	DIGITAL PHOTOFINISHING SYSTEM
4246	France	1827836	Granted	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
4247	France	1827837	Granted	Inkjet Printer with Capping Mechanism
4248	France	1827839	Granted	Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
4249	France	1827841	Granted	Inkjet Printer with Capping Mechanism
4250	France	1841598	Granted	INKJET PRINthead PRODUCTION METHOD
4251	France	1934053	Granted	Printhead maintenance station
4252	France	1934054	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
4253	France	1937480	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
4254	France	1960206	Granted	PRINthead MAINTENANCE STATION HAVING MAINTENANCE BELT
4255	France	1991423	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
4256	France	2043867	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
4257	France	00929018.0	Unknown	MODULAR COMPACT PRINTER SYSTEM
4258	France	1481562	Unknown	A BATTERY AND INK CHARGING STAND OR MOBILE
4259	France	2158603	Unknown	COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
4260	France	06828019.7	Unknown	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
4261	France	07815631.2	Unknown	INK PRESSURE REGULATOR
4262	France	07870177.8	Unknown	METAL FILM PROTECTION DURING PRINthead FABRICATION WITH MINIMUM NUMBER OF MEMS PROCESSING STEPS
4263	Germany	0999934	Granted	METHOD OF FORMING CONNECTION BETWEEN ELECTRODE AND ACTUATOR IN AN INKJET NOZZLE ASSEMBLY
4264	Germany	1128961	Granted	A THERMALLY ACTUATED INK JET
4265	Germany	1175301	Granted	PRINTER AND METHODS OF OPERATION
4266	Germany	1177102	Granted	A DUPLEX NETWORK COLOR PRINTER
4267	Germany	1178888	Granted	PAGEWIDTH WIDE FORMAT PRINTER
				ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE

Exhibit A, Page 137

	Country	Official No.	Case Status	Title
4268	Germany	1185421	Granted	PAGE-WIDTH PRINTHEAD THERMAL BEND ACTUATOR FOR A MICRO ELECTRO- MECHANICAL DEVICE
4269	Germany	1194369	Granted	COMPACT COLOR PRINTER MODULE
4270	Germany	1218190	Granted	NOZZLE CAPPING MECHANISM
4271	Germany	1218191	Granted	Capping System for Inkjet Printhead Assembly
4272	Germany	1221140	Granted	FOUR COLOR MODULAR PRINTHEAD SYSTEM
4273	Germany	1242245	Granted	COMPONENT FOR A FOUR COLOR PRINTHEAD MODULE
4274	Germany	1257419	Granted	FOUR COLOR MODULAR PRINTHEAD ASSEMBLY
4275	Germany	1257420	Granted	AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINTHEAD
4276	Germany	1257421	Granted	MANUALLY ALIGNED PRINTHEAD MODULES
4277	Germany	1263593	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINT HEAD ASSEMBLY
4278	Germany	1263594	Granted	OVERLAPPING PRINTHEAD MODULE ARRAY CONFIGURATION
4279	Germany	1263595	Granted	MODULAR PRINTHEAD ALIGNMENT SYSTEM
4280	Germany	1269540	Granted	THERMAL EXPANSION COMPENSATION FOR PRINT HEAD ASSEMBLIES
4281	Germany	1274583	Granted	INK JET EJECTOR
4282	Germany	1274584	Granted	PAPER THICKNESS SENSOR IN A PRINTER
4283	Germany	1289762	Granted	PRINTHEAD CAPPING ARRANGEMENT
4284	Germany	1289765	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4285	Germany	1292449	Granted	INK JET PRINTHEAD NOZZLE ARRAY
4286	Germany	1292450	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4287	Germany	1292451	Granted	PRINT ENGINE/CONTROLLER WITH COLOR MASK
4288	Germany	1296834	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
4289	Germany	1299243	Granted	INK JET PRINTHEAD HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4290	Germany	1301344	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINTHEAD HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4291	Germany	1301345	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINTHEAD
4292	Germany	1301347	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4293	Germany	1303408	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
4294	Germany	1303409	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4295	Germany	1303410	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
4296	Germany	1303413	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
4297	Germany	1303414	Granted	PRINTING FOR A MULTI-SEGMENT PRINTHEAD
4298	Germany	1303415	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4299	Germany	1303416	Granted	PRINTHEAD ASSEMBLY CAPPING DEVICE
4300	Germany	1316061	Granted	PRINTHEAD ASSEMBLY HAVING PRINTHEAD MODULES IN A CHANNEL
4301	Germany	1379386	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
4302	Germany	1379389	Granted	
4303	Germany	1414650	Granted	

Exhibit A, Page 138

	Country	Official No.	Case Status	Title
4304	Germany	1425180	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
4305	Germany	1425181	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
4306	Germany	1432582	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
4307	Germany	1432583	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
4308	Germany	1432588	Granted	INKJET COLLIMATOR
4309	Germany	1481562	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
4310	Germany	1494865	Granted	SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK HET PRINTHEAD CHIP
4311	Germany	1494866	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
4312	Germany	1494867	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4313	Germany	1494868	Granted	PUSHER ACTUATION IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
4314	Germany	1494869	Granted	
4315	Germany	1499500	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINTHEAD
4316	Germany	1508443	Granted	INKJET PRINTER WITH ELECTRO-MAGNETICALLY ACTUATED INK PLUNGER
4317	Germany	1535738	Granted	CONTROLLER FOR CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4318	Germany	1565318	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
4319	Germany	1567345	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD
4320	Germany	1567346	Granted	THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
4321	Germany	1567348	Granted	INKJET PRINTHEAD WITH CONFORMALLY COATED HEATER
4322	Germany	1567349	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
4323	Germany	1567351	Granted	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
4324	Germany	1567353	Granted	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP
4325	Germany	1569799	Granted	STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINTHEAD
4326	Germany	1569800	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
4327	Germany	1572463	Granted	DEAD NOZZLE COMPENSATION
4328	Germany	1640162	Granted	Inkjet nozzle arrangement having paddle forming a portion of a wall
4329	Germany	1647402	Granted	Ink jet nozzle with actuator mechanism between nozzle chamber and ink supply
4330	Germany	1650030	Granted	Nozzle chamber with paddle vane and externally located thermal actuator
4331	Germany	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
4332	Germany	1706267	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE

Exhibit A, Page 139

	Country	Official No.	Case Status	Title
4333	Germany	1706273	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
4334	Germany	1706274	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
4335	Germany	1708888	Granted	DIGITAL PHOTOFINISHING SYSTEM METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
4336	Germany	1765595	Granted	Inkjet Printer with Capping Mechanism
4337	Germany	1827836	Granted	Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
4338	Germany	1827837	Granted	Two-Stage Capping Mechanism for Inkjet Printers
4339	Germany	1827839	Granted	Inkjet Printer with Capping Mechanism
4340	Germany	1827841	Granted	INKJET PRINthead PRODUCTION METHOD
4341	Germany	1841598	Granted	Printhead maintenance station
4342	Germany	1934053	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
4343	Germany	1934054	Granted	PRINthead MAINTENANCE STATION HAVING MAINTENANCE BELT
4344	Germany	1937480	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
4345	Germany	1960206	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
4346	Germany	1991423	Granted	MODULAR COMPACT PRINTER SYSTEM
4347	Germany	2043867	Unknown	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
4348	Germany	00929018.0	Unknown	INK PRESSURE REGULATOR
4349	Germany	2158603	Unknown	METAL FILM PROTECTION DURING PRINthead FABRICATION
4350	Germany	06828019.7	Unknown	WITH MINIMUM NUMBER OF MEMS PROCESSING STEPS
4351	Germany	07815631.2	Unknown	METHOD OF FORMING CONNECTION BETWEEN ELECTRODE AND ACTUATOR IN AN INKJET NOZZLE ASSEMBLY
4352	Germany	07870177.8	Unknown Application	PRINthead INK DISTRIBUTION STRUCTURE AND METHOD FOR DISTRIBUTING INK
4353	India	87/CHENP/2006	Accepted	A PRINTING AND DISPLAY DEVICE INCORPORATING A DATA CONNECTION HUB
4354	India	327/CHENP/2008	Pending	ONE TOUCH PRINTING
4355	India	328/CHENP/2008	Pending	A PRINTING AND DISPLAY DEVICE HAVING A MEDIA PATH ADJACENT A FLAT PANEL DISPLAY
4356	India	329/CHENP/2008 Indian National phase of	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH LIMITED ENCRYPTION KEY RETRIEVAL
4357	India	PCT/AU2010/001222	Pending	A PRINthead ASSEMBLY
4358	India	200411	Granted	AN APERTURED NOZZLE GUARD FOR AN INK JET PRINTER PRINthead
4359	India	200780	Granted	A PRINthead ASSEMBLY AND A METHOD OF ASSEMBLING A PRINthead ASSEMBLY FOR A PAGESWIDTH DROP ON DEMAND INK JET PRINTER
4360	India	201094	Granted	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINthead
4361	India	201311	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT
4362	India	201320	Granted	

Exhibit A, Page 140

	Country	Official No.	Case Status	Title
				BOARD AND BUSBARS
4363	India	201525	Granted	FLOODED NOZZLE DETECTION
4364	India	201532	Granted	PRINTER HAVING FLEXIBLE INK CHANNEL EXTRUSION
4365	India	201623	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4366	India	201803	Granted	A PRINT CONTROLLER TO DRIVE AN INK DROP PRINT HEAD
4367	India	201838	Granted	A PRINT MEDIA LOADING MECHANISM FOR A PRINTER A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL PRINTER
4368	India	202116	Granted	A PRINTING CARTRIDGE FOR AN INK JET PRINTER
4369	India	202145	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER A PORTABLE INKJET PRINTER AND A PAGEWIDTH INK SUPPLY UNIT
4370	India	202165	Granted	COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER A PORTABLE INKJET PRINTER AND A PAGEWIDTH INK SUPPLY UNIT
4371	India	202194	Granted	UNIT
4372	India	202399	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4373	India	202400	Granted	PRINthead CAPPING ARRANGEMENT
4374	India	202401	Granted	A PAGEWIDTH PRINTER A METHOD FOR CONTROLLING FIRING NOZZLE WITHIN OVERLAPPED PRINT HEAD SEGMENTS
4375	India	202402	Granted	OVERLAPPED PRINT HEAD SEGMENTS
4376	India	202403	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
4377	India	202404	Granted	AN INK JET NOZZLE ASSEMBLY
4378	India	202405	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead
4379	India	202407	Granted	AN INK CARTRIDGE
4380	India	202408	Granted	A PUMP ASSEMBLY FOR A PRINT ENGINE PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A PRINthead DRIVEN BY MULTIPLE PRINT ENGINE/CONTROLLERS
4381	India	202409	Granted	ENGINE/CONTROLLERS
4382	India	202410	Granted	A METHOD OF CONTROLLING FIRING OF NOZZLES IN PRINthead, A PRINthead AND PRINTER INCLUDING SAME
4383	India	202411	Granted	A PRINTER HAVING A MULTI-SEGMENT PRINthead A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
4384	India	202920	Granted	IDENTIFICATION
4385	India	202922	Granted	IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
4386	India	202928	Granted	A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
4387	India	202929	Granted	PRINTING CARTRIDGE WITH AN INTERGRATED CIRCUIT DEVICE
4388	India	202930	Granted	A METHOD OF DETERMINING MEDIA OF A PRINTING CARTRIDGE AND A PRINTING CARTRIDGE
4389	India	202937	Granted	AN APERTURED NOZZLE GUARD FOR AN INK JET PRINTER PRINthead
4390	India	202942	Granted	A KEYBOARD
4391	India	202943	Granted	AN ADHESIVE-BASED INK JET PRINthead ASSEMBLY AN INK JET PRINthead COMPRISING A PLURALITY OF NOZZLE DEVICES FORMED ON A SUBSTRATE
4392	India	202944	Granted	DEVICES FORMED ON A SUBSTRATE
4393	India	202949	Granted	PRINTER INCLUDING PRINthead CAPPING MECHANISM
4394	India	202952	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER

Exhibit A, Page 141

	Country	Official No.	Case Status	Title
4395	India	202953	Granted	A PRINT HEAD FOR AN INKJET PRINTER
4396	India	203541	Granted	A PRINthead OF A PRINT ENGINE
4397	India	203556	Granted	AN INK JET PRINthead CHIP AND A METHOD OF FABRICATING THE SAME
4398	India	204235	Granted	A PRINthead FOR AN INJET PRINTER
4399	India	204237	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4400	India	204239	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4401	India	204318	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
4402	India	205683	Granted	NOZZLE GUARD FOR A PRINthead
4403	India	205933	Granted	INK JET PRINthead NOZZLE ARRAY
4404	India	205961	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
4405	India	205962	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
4406	India	205984	Granted	MODULAR COMMERCIAL PRINTER
4407	India	206005	Granted	AN INKJET PRINthead INCLUDING A PLURALITY OF NOZZLES
4408	India	206991	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
4409	India	207640	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
4410	India	207969	Granted	PRINTED PAGE TAG ENCODER
4411	India	208629	Granted	PRINT ENGINE/CONTROLLER AND PRINthead INTERFACE
4412	India	208632	Granted	CHIP INCORPORATING THE ENGINE/CONTROLLER
4413	India	208633	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4414	India	208635	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
4415	India	208667	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE
4416	India	209193	Granted	A SEPARATING DEVICE FOR A PRINT IMAGE
4417	India	209219	Granted	DRYING EQUIPMENT FOR A PRINTER FOR AIDING DRYING OF A PRINTED IMAGE ON A PRINT MEDIUM WEB
4418	India	209338	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
4419	India	209570	Granted	A THERMAL BEND ACTUATORS
4420	India	211592	Granted	MOBILE PHONE WITH SWIPE PRINTER
4421	India	211620	Granted	INK FEED FOR SIX COLOR INKJET MODULAR PRINthead
4422	India	211808	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINthead
4423	India	211867	Granted	PRINthead CHIP HAVING INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK PUSHER
4424	India	212045	Granted	A Platen Assembly for A Printer And A Method For Capping A Printhead In A Printer
4425	India	212394	Granted	ACTUATOR ANCHOR
4426	India	216183	Granted	A METHOD FOR PAGEWIDTHPRINTING AND A PRINthead ASSEMBLY
4427	India	216184	Granted	A PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH PRINTER
4428	India	216492	Granted	PRINthead CHIP FOR AN INKJET PRINthead
4429	India	216493	Granted	PRINthead CHIP FOR AN INKJET PRINthead
4430	India	216494	Granted	A METHOD AND APPARATUS FOR PROCESSING AN IMAGE FOR PRINTING

Exhibit A, Page 142

	Country	Official No.	Case Status	Title
4431	India	217680	Granted	MICRO ELECTRO MECHANICAL DEVICE THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
4432	India	218449	Granted	AN INK JET PRINthead, A PRINTER SYSTEM AND A METHOD OF EJECTING A DROP OF EJECTABLE LIQUID
4433	India	218504	Granted	AN INKJET PRINthead AND A METHOD OF EJECTING A DROP OF A BUBBLE FORMING LIQUID FROM A PRINthead
4434	India	219101	Granted	AN INKJET PRINthead AND A METHOD OF EJECTING A DROP OF AN EJECTABLE LIQUID FROM THE PRINthead.
4435	India	219190	Granted	AN INKJET PRINthead AND A METHOD OF EJECTING A DROP OF A BUBBLE FORMING LIQUID FROM THE PRINthead
4436	India	219191	Granted	A PRINthead CHIP FOR AN INK JET PRINthead
4437	India	219214	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINthead
4438	India	220410	Granted	A PRINthead MODULE FOR A PRINthead ASSEMBLY
4439	India	220411	Granted	A Hand Held Mobile Phone Device with Integral Internal Print Apparatus and a Print Media Dispensing Device
4440	India	220536	Granted	THERMAL INK HET PRINthead WITH HIGH NOZZLE AREAL DENSITY
4441	India	220610	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
4442	India	220611	Granted	AN INK JET PRINthead AND A METHOD OF EJECTING A DROP OF AN EJECTABLE LIQUID FROM A PRINthead
4443	India	220612	Granted	A PRINthead CHIP FOR AN INKJET PRINthead
4444	India	220988	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4445	India	220989	Granted	Printed Page Tag Encoder
4446	India	221434	Granted	AN INKJET PRINthead AND A METHOD OF EJECTING A DROP OF AN EJECTABLE LIQUID FROM A PRINthead
4447	India	222361	Granted	METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR PRINthead
4448	India	222566	Granted	INKJET PRINthead WITH CONFORMALLY COATED HEATER
4449	India	222682	Granted	AN INKJET PRINthead
4450	India	223153	Granted	A Printing and Display Device
4451	India	229100	Granted	A METHOD OF SELECTING A MATERIAL FOR USE AS THE EXPENSIVE ELEMENT IN A THERMOELASTIC DESIGN
4452	India	229910	Granted	Inkjet Printer Unit Having a High Speed Print Engine
4453	India	230271	Granted	A PRINTER CARTRIDGE FOR AN INKJET PRINTER
4454	India	231177	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
4455	India	232629	Granted	PRINTED MEDIA PRODUCTION
4456	India	235309	Granted	A PRINthead
4457	India	235312	Granted	A PRINTING CARTRIDGE AND A PRINTING DEVICE
4458	India	241565	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO- MECHANICAL INK EJECTION NOZZLE
4459	India	241781	Granted	A PRINthead ASEMBLY FOR A WIDE FORMAT PAGEWIDTH INKJET PRINTER
4460	India	242471	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
4461	India	244425	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE
4462	India	246039	Granted	

Exhibit A, Page 143

	Country	Official No.	Case Status	Title
				IDENTIFICATION
4463	India	247990	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
4464	India	248033	Granted	Printhead Chip Having Longitudinal Ink Supply Channels
4465	India	249083	Granted	Wall Mountable Printer With Removable Cartridge
4466	India	1079/CHENP/2005	Pending	A Hand Held Mobile Phone with Integral Internal Printer with Print Media Supply
4467	Ireland	0999934	Granted	A THERMALLY ACTUATED INK JET
4468	Ireland	1128961	Granted	PRINTER AND METHODS OF OPERATION
4469	Ireland	1165432	Granted	THERMAL BEND ACTUATOR AND PADDLE STRUCTURE FOR INK JET NOZZLE
4470	Ireland	1175301	Granted	A DUPLEX NETWORK COLOR PRINTER
4471	Ireland	1177102	Granted	PAGEWIDTH WIDE FORMAT PRINTER
4472	Ireland	1178888	Granted	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
4473	Ireland	1185421	Granted	PAGE-WIDTH PRINthead
4474	Ireland	1194369	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4475	Ireland	1200262	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
4476	Ireland	1204533	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
4477	Ireland	1218190	Granted	COMPACT COLOR PRINTER MODULE
4478	Ireland	1221140	Granted	Capping System for Inkjet Printhead Assembly
4479	Ireland	1222630	Granted	METHOD & APPARATUS FOR DITHERING
4480	Ireland	1224620	Granted	COLOR CONVERSION METHOD FOR COMPACT PRINTER SYSTEM
4481	Ireland	1240024	Granted	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead
4482	Ireland	1242244	Granted	METHOD OF MANUFACTURING A FOUR COLOR MODULAR PRINthead
4483	Ireland	1242245	Granted	FOUR COLOR MODULAR PRINthead SYSTEM
4484	Ireland	1257419	Granted	COMPONENT FOR A FOUR COLOR PRINthead MODULE
4485	Ireland	1257420	Granted	FOUR COLOR MODULAR PRINthead ASSEMBLY
4486	Ireland	1257421	Granted	AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINthead
4487	Ireland	1260053	Granted	CONSUMABLE AUTHENTICATION PROTOCOL AND SYSTEM
4488	Ireland	1263593	Granted	MANUALLY ALIGNED PRINthead MODULES
4489	Ireland	1263594	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINT HEAD ASSEMBLY
4490	Ireland	1263595	Granted	OVERLAPPING PRINthead MODULE ARRAY CONFIGURATION
4491	Ireland	1269540	Granted	MODULAR PRINthead ALIGNMENT SYSTEM
4492	Ireland	1274583	Granted	THERMAL EXPANSION COMPENSATION FOR PRINT HEAD ASSEMBLIES
4493	Ireland	1274584	Granted	INK JET EJECTOR
4494	Ireland	1289761	Granted	ROTATING PLATEN MEMBER
4495	Ireland	1289763	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
4496	Ireland	1289764	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
4497	Ireland	1289765	Granted	PRINthead CAPPING ARRANGEMENT

Exhibit A, Page 144

	Country	Official No.	Case Status	Title
4498	Ireland	1292449	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4499	Ireland	1292450	Granted	INK JET PRINthead NOZZLE ARRAY
4500	Ireland	1292451	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4501	Ireland	1294635	Granted	IMPROVED THERMAL BEND ACTUATOR
4502	Ireland	1296834	Granted	PRINT ENGINE/CONTROLLER WITH COLOR MASK
4503	Ireland	1299241	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
4504	Ireland	1299243	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
4505	Ireland	1301344	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4506	Ireland	1301345	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4507	Ireland	1301346	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
4508	Ireland	1301347	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
4509	Ireland	1301348	Granted	PRINthead
4510	Ireland	1301349	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
4511	Ireland	1301351	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
4512	Ireland	1303408	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
4513	Ireland	1303410	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4514	Ireland	1303413	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4515	Ireland	1303414	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
4516	Ireland	1303415	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
4517	Ireland	1303416	Granted	PRINTING FOR A MULTI-SEGMENT PRINthead
4518	Ireland	1316061	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4519	Ireland	1355787	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead ARRAY OF ABUTTING PRINT CHIPS IN A PAGESWIDTH PRINthead
4520	Ireland	1355788	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINthead
4521	Ireland	1363780	Granted	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINthead
4522	Ireland	1363781	Granted	PRINthead ASSEMBLY CAPPING DEVICE
4523	Ireland	1379386	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
4524	Ireland	1379387	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
4525	Ireland	1379388	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
4526	Ireland	1379389	Granted	PRINthead MODULE ASSEMBLY
4527	Ireland	1379392	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLIES
4528	Ireland	1412191	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
4529	Ireland	1414650	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
4530	Ireland	1425180	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY
4531	Ireland	1425181	Granted	

Exhibit A, Page 145

	Country	Official No.	Case Status	Title
				IDENTIFICATION
4532	Ireland	1432582	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
4533	Ireland	1432583	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
4534	Ireland	1432585	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
4535	Ireland	1432588	Granted	INKJET COLLIMATOR
4536	Ireland	1481562	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
4537	Ireland	1494865	Granted	SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK HET PRINthead CHIP
4538	Ireland	1494866	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP FOR AN INKJET PRINthead
4539	Ireland	1494867	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4540	Ireland	1494868	Granted	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
4541	Ireland	1494869	Granted	
4542	Ireland	1499500	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINthead
4543	Ireland	1508443	Granted	INKJET PRINTER WITH ELECTRO-MAGNETICALLY ACTUATED INK PLUNGER
4544	Ireland	1508445	Granted	Inkjet nozzle with lorenz force actuator
4545	Ireland	1508446	Granted	INKJET NOZZLE WITH SOLENOID ACTUATOR
4546	Ireland	1508449	Granted	Inkjet nozzle with magnetic actuator chamber
4547	Ireland	1510339	Granted	INKJET NOZZLE ACTUATED BY MAGNETIC PULSES
4548	Ireland	1510340	Granted	INKJET NOZZLE ACTUATED BY SLOTTED PLUNGER
4549	Ireland	1510341	Granted	INKJET NOZZLE WITH ELECTROMAGNETIC SHUTTER
4550	Ireland	1513687	Granted	NOZZLE GUARD FOR A PRINthead
4551	Ireland	1520697	Granted	PRINT ENGINE INCLUDING TRANSFER ROLLER
4552	Ireland	1520698	Granted	METHOD OF CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4553	Ireland	1520699	Granted	DIGITAL PRINTING SYSTEM FOR PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4554	Ireland	1520700	Granted	PRINT ENGINE INCLUDING MEANS FOR INHIBITING INK EVAPORATION
4555	Ireland	1535738	Granted	CONTROLLER FOR CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
4556	Ireland	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
4557	Ireland	1567345	Granted	SELF-COOLING THERMAL INK JET PRINthead
4558	Ireland	1567346	Granted	THERMAL INK JET PRINthead WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
4559	Ireland	1567348	Granted	INKJET PRINthead WITH CONFORMALLY COATED HEATER
4560	Ireland	1567349	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS
4561	Ireland	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
4562	Ireland	1567353	Granted	THERMAL INK JET PRINthead WITH CAVITATION GAP

Exhibit A, Page 146

	Country	Official No.	Case Status	Title
4563	Ireland	1569799	Granted	STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINthead
4564	Ireland	1569800	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
4565	Ireland	1572463	Granted	DEAD NOZZLE COMPENSATION
4566	Ireland	1637330	Granted	Thermal actuator with corrugated heater element Inkjet nozzle arrangement having paddle forming a portion of a wall
4567	Ireland	1640162	Granted	Ink jet nozzle with actuator mechanism between nozzle chamber and ink supply
4568	Ireland	1647402	Granted	Nozzle chamber with paddle vane and externally located thermal actuator
4569	Ireland	1650030	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
4570	Ireland	1650031	Granted	Ink jet nozzle having two fluid ejection apertures and a moveable paddle vane
4571	Ireland	1652671	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
4572	Ireland	1706267	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
4573	Ireland	1706273	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
4574	Ireland	1706274	Granted	DIGITAL PHOTOFINISHING SYSTEM
4575	Ireland	1708888	Granted	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
4576	Ireland	1765595	Granted	Inkjet Printer with Capping Mechanism
4577	Ireland	1827836	Granted	Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
4578	Ireland	1827837	Granted	Two-Stage Capping Mechanism for Inkjet Printers
4579	Ireland	1827839	Granted	Inkjet Printer with Capping Mechanism
4580	Ireland	1827841	Granted	INKJET PRINthead PRODUCTION METHOD
4581	Ireland	1841598	Granted	Printhead maintenance station
4582	Ireland	1934053	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
4583	Ireland	1934054	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
4584	Ireland	1937480	Granted	PRINthead MAINTENANCE STATION HAVING MAINTENANCE BELT
4585	Ireland	1960206	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
4586	Ireland	1991423	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
4587	Ireland	2043867	Granted	MODULAR COMPACT PRINTER SYSTEM
4588	Ireland	00929018.0	Unknown	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
4589	Ireland	2158603	Unknown	INK PRESSURE REGULATOR
4590	Ireland	06828019.7	Unknown	METAL FILM PROTECTION DURING PRINthead FABRICATION
4591	Ireland	07815631.2	Unknown	WITH MINIMUM NUMBER OF MEMS PROCESSING STEPS
4592	Ireland	07870177.8	Unknown	METHOD OF FORMING CONNECTION BETWEEN ELECTRODE AND ACTUATOR IN AN INKJET NOZZLE ASSEMBLY
4593	Israel	168247	Pending	A LIQUID EJECTION DEVICE
4594	Israel	217639	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH LIMITED ENCRYPTION KEY RETRIEVAL

Exhibit A, Page 147

	Country	Official No.	Case Status	Title
4595	Israel	217640	Pending	SOLVENT-BASED INKJET INKS COMPRISING SURFACE-MODIFIED PIGMENTS
4596	Israel	211029	Pending	EFFICIENT INKJET NOZZLE ASSEMBLY
4597	Israel	145472	Granted	PAGEWIDTH WIDE FORMAT PRINTER
4598	Israel	145972	Granted	THERMAL ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE AND A LIQUID EJECTOR INCLUDING THE SAME A METHOD OF CONTROLLING LIQUID MOVEMENT TO AND FROM A LIQUID EJECTION DEVICE AND A LIQUID EJECTION DEVICE THEREOF
4599	Israel	145973	Granted	PAGE WIDTH PRINthead
4600	Israel	145974	Granted	ACTUATOR ELEMENT
4601	Israel	145975	Granted	PRINT ENGINE AND A PRINTING STATION FOR PRINTER
4602	Israel	146071	Granted	COMPACT COLOR PRINTER MODULE
4603	Israel	146717	Granted	MODULAR COMPACT PRINTER SYSTEM
4604	Israel	146718	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
4605	Israel	146719	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4606	Israel	147356	Granted	METHOD OF MANUFACTURING A FOUR COLOR MODULAR PRINthead
4607	Israel	149961	Granted	FOUR COLOR MODULAR PRINthead SYSTEM
4608	Israel	149962	Granted	COMPONENT FOR A FOUR COLOR PRINthead MODULE
4609	Israel	149963	Granted	FOUR COLOR MODULAR PRINthead ASSEMBLY
4610	Israel	149964	Granted	An Ink Supply Device for Supplying Ink to a Printhead Chip
4611	Israel	149965	Granted	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead
4612	Israel	149966	Granted	IMPROVED THERMAL BEND ACTUATOR
4613	Israel	152598	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4614	Israel	153023	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
4615	Israel	153024	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
4616	Israel	153025	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4617	Israel	153027	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4618	Israel	153028	Granted	PRINT ENGINE/CONTROLLER WITH COLOR MASK
4619	Israel	153029	Granted	PRINTED PAGE TAG ENCODER
4620	Israel	153030	Granted	PRINT ENGINE CONTROLLER AND PRINthead INTERFACE
4621	Israel	153031	Granted	CHIP INCORPORATING
4622	Israel	153032	Granted	PAPER THICKNESS SENSOR IN A PRINTER
4623	Israel	153033	Granted	ROTATING PLATEN MEMBER
4624	Israel	153034	Granted	PRINthead CAPPING ARRANGEMENT
4625	Israel	153035	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
4626	Israel	153036	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
4627	Israel	153037	Granted	INK JET PRINthead NOZZLE ARRAY
4628	Israel	153430	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS

Exhibit A, Page 148

	Country	Official No.	Case Status	Title
4629	Israel	153432	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4630	Israel	153433	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
4631	Israel	153434	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
4632	Israel	153526	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4633	Israel	153527	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
4634	Israel	153528	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
4635	Israel	153664	Granted	INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
4636	Israel	153714	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
4637	Israel	153722	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A
4638	Israel	153723	Granted	PRINthead BY MULTIPLES
4639	Israel	153724	Granted	PRINTING WITH A MULTI SEGMENT PRINthead
4640	Israel	153725	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
4641	Israel	153727	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
4642	Israel	153728	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL
4643	Israel	154337	Granted	PRINTER DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR
4644	Israel	154338	Granted	COMMERCIAL PRINTER A LOADING MECHANISM FOR A MODULAR COMMERCIAL
4645	Israel	154339	Granted	PRINTER
4646	Israel	154340	Granted	MODULAR COMMERCIAL PRINTER
4647	Israel	155453	Granted	MOVING NOZZLE INK JET ACTUATOR
4648	Israel	155454	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
4649	Israel	155455	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
4650	Israel	155456	Granted	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
4651	Israel	155457	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
4652	Israel	155458	Granted	ACTUATOR ANCHOR
4653	Israel	155461	Granted	INK FEED FOR SIX COLOR INK JET MODULAR PRINthead MOUNTING OF PRINthead IN SUPPORT MEMBER OF SIX
4654	Israel	155467	Granted	COLOUR INK JET MODULAR PRINthead METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR
4655	Israel	155468	Granted	PRINthead
4656	Israel	155472	Granted	PRINTED MEDIA PRODUCTION
4657	Israel	155490	Granted	THERMOELASTIC ACTUATOR DESIGN ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH
4658	Israel	156564	Granted	PRINthead
4659	Israel	156568	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead
4660	Israel	157238	Granted	A Method of Fabricating a Printhead for an Ink Jet Printer
4661	Israel	157240	Granted	FLOODED NOZZLE DETECTION PRINthead ASSEMBLY HAVING PRINthead MODULES IN A
4662	Israel	158133	Granted	CHANNEL
4663	Israel	158134	Granted	PRINthead ASSEMBLY CAPPING DEVICE
4664	Israel	158135	Granted	PRINthead MODULE ASSEMBLY PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL
4665	Israel	158137	Granted	EXTRUSION

Exhibit A, Page 149

	Country	Official No.	Case Status	Title
4666	Israel	158138	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
4667	Israel	160172	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
4668	Israel	160173	Granted	PRINTING CARTRIDGE WITH RADIO FREQUENCY IDENTIFICATION AND METHOD OF DETERMINING MEDIA OF A PRINTING CARTRIDGE
4669	Israel	160175	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
4670	Israel	160176	Granted	PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION
4671	Israel	160256	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
4672	Israel	160257	Granted	PRINTING CARTRIDGE WITH AN INTERGRATED CIRCUIT DEVICE
4673	Israel	160258	Granted	PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
4674	Israel	160259	Granted	AN INK DISTRIBUTION ASSEMBLY FOR AN INK JET PRINthead
4675	Israel	160263	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
4676	Israel	160622	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
4677	Israel	160625	Granted	An apertured nozzle guard for an ink jet print head
4678	Israel	160634	Granted	AN APERTURE NOZZLE GUARD FOR AN INK JET PRINTER PRINthead
4679	Israel	160635	Granted	INKJET PRINthead HAVING THERMAL BEND ACTUATOR HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
4680	Israel	160636	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
4681	Israel	160673	Granted	A print head for an ink jet printer
4682	Israel	160675	Granted	KEYBOARD
4683	Israel	161088	Granted	A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER
4684	Israel	163488	Granted	Mobile Phone with Swipe Printer
4685	Israel	163495	Granted	WIDE FORMAT PAGEWIDTH INKJET PRINTER
4686	Israel	164410	Granted	SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK JET PRINthead CHIP
4687	Israel	164411	Granted	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
4688	Israel	164445	Granted	HIGH VOLUME PAGEWIDTH PRINTING
4689	Israel	164446	Granted	PROCESSING OF IMAGES FOR HIGH VOLUME PAGEWIDTH PRINTING
4690	Israel	164447	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP FOR AN INKJET PRINthead
4691	Israel	164448	Granted	MOTION TRANSMITTING STRUCTURE FOR A NOZZLE ARRANGEMENT OF A PRINthead CHIP FOR AN INKJET PRINthead
4692	Israel	164503	Granted	PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH PRINTER
4693	Israel	164504	Granted	

Exhibit A, Page 150

	Country	Official No.	Case Status	Title
4694	Israel	164505	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
4695	Israel	164691	Granted	MODULAR PRINTHEAD ASSEMBLY
4696	Israel	164692	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
4697	Israel	164693	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4698	Israel	164775	Granted	A NOZZLE GUARD FOR AN INK JET PRINTHEAD
4699	Israel	164782	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINTHEAD
4700	Israel	164834	Granted	NOZZLE GUARD FOR A PRINTHEAD
4701	Israel	164924	Granted	INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK PUSHER
4702	Israel	164930	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
4703	Israel	164931	Granted	INK JET PRINTHEAD CHIP WITH PREDETERMINED MICRO-ELECTROMECHANICAL SYSTEMS HEIGHT
4704	Israel	164953	Granted	MANUFACTURING A PRINTHEAD FOR A PAGewidth PRINTER
4705	Israel	164954	Granted	PRINTER CONTROLLER FOR AN INKJET PRINTER
4706	Israel	164957	Granted	MICRO ELECTRO-MECHANICAL DEVICE HAVING AN INTEGRATED MOVEMENT SENSOR
4707	Israel	164980	Granted	MODULAR INKJET PRINTHEAD ASSEMBLY
4708	Israel	164981	Granted	METHOD OF MANUFACTURING A PRINTHEAD ASSEMBLY
4709	Israel	165001	Granted	INKJET PRINTHEAD WITH FLEX PCB IN INK FLOW PATH
4710	Israel	165410	Granted	WIDE FORMAT DIGITAL PRINTER
4711	Israel	165538	Granted	PRINTHEAD WITH INK RESERVOIR AND BREATHER HOLE
4712	Israel	166281	Granted	COMPAT PRINTER MODULE FOR AN IMAGING SYSTEM
4713	Israel	166282	Granted	A COMPACT PRINTER SYSTEM
4714	Israel	166283	Granted	CLOSURE MECHANISM FOR A PRINTHEAD
4715	Israel	166420	Granted	INK CARTRIDGE HAVING SLIDABLE SEAL MEMBER
4716	Israel	166421	Granted	A PRINT ENGINE FOR A PAGewidth PRINTHEAD INCORPORATING MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENTS
4717	Israel	166422	Granted	PRINT ENGINE/CONTROLLER WITH HALF-TONER/COMPOSITOR
4718	Israel	166720	Granted	METHOD FOR INK JET PRINT IMAGE COMPENSATION
4719	Israel	166721	Granted	PUMP ASSEMBLY FOR A PRINT ENGINE
4720	Israel	166722	Granted	Ink Jet Fault Tolerance Method
4721	Israel	166723	Granted	PRINTHEAD WITH AIR SUPPLY ARRANGEMENT
4722	Israel	166724	Granted	A MICRO-ELECTROMECHANICAL ACTUATOR WITH BUCKLE-RESISTANT PROPERTIES
4723	Israel	166725	Granted	A MOTOR ARRANGEMENT FOR A PRINT ENGINE
4724	Israel	166726	Granted	A METHOD OF DISTRIBUTING INK AND AIR IN A PRINTHEAD ASSEMBLY OF A PRINTER
4725	Israel	166727	Granted	A MICRO- ELECTROMECHANICAL FLUID EJECTION DEVICE INCORPORATING A MOVABLE NOZZLE STRUCTURE
4726	Israel	166728	Granted	AN INKJET PRINTHEAD THAT INCORPORATES FLUIDIC SEALS
4727	Israel	166874	Granted	PRINTHEAD ASSEMBLY WITH CAPPING ARRANGEMENT

Exhibit A, Page 151

	Country	Official No.	Case Status	Title
4728	Israel	166875	Granted	INK SUPPLY ARRANGEMENT FOR A PRINT ENGINE
4729	Israel	166876	Granted	INKJET PRINTER HAVING COMPENSATION FOR OVERLAPPING
4730	Israel	166919	Granted	PRINthead ELEMENTS
4731	Israel	166920	Granted	INKJET PRINthead WITH INK ISOLATED NOZZLE ACTUATOR
4732	Israel	166921	Granted	A PRINthead ASSEMBLY WITH AN INK DISTRIBUTION
4733	Israel	167100	Granted	ARRANGEMENT
4734	Israel	167154	Granted	INK JET NOZZLE ASSEMBLY WITH EXTERNALLY ARRANGED
4735	Israel	167966	Granted	NOZZLE ACTUATOR
4736	Israel	167968	Granted	A PRINT ENGINE CONTROLLER FOR A PAGEWIDTH INKJET
4737	Israel	168175	Granted	PRINT HEAD AND A METHOD OF PROCESSING IMAGE DATA
4738	Israel	168176	Granted	Inkjet Printer for Reducing Artifacts from Printhead with
4739	Israel	168177	Granted	Overlapping Segments
4740	Israel	168186	Granted	PRINthead ASSEMBLY WITH SNAP LOCKING COMPONENTS
4741	Israel	168187	Granted	A PAGE WIDTH PRINthead DEFINING AN ARRAY OF NOZZLES
4742	Israel	168331	Granted	WITH PREDETERMINED GROUPINGS
4743	Israel	168528	Granted	A PRINthead ASSEMBLY WITH AN INK FEED ARRANGEMENT
4744	Israel	168604	Granted	An Ink Jet Printhead Incorporating an Array of Nozzle
4745	Israel	168608	Granted	Assemblies
4746	Israel	168609	Granted	PRINT CARTRIDGE
4747	Israel	168610	Granted	Method For Ink Jet Fault Compensation Using Extra Ink Dots
4748	Israel	168611	Granted	AN EJECTOR SYSTEM FOR A PRINT ENGINE
4749	Israel	168612	Granted	Thermal Actuator With Heat Sinks
4750	Israel	168613	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM
4751	Israel	168700	Granted	HEATER
4752	Israel	168706	Granted	INK JET PRINthead, A PRINTER SYSTEM COMPRISING IT AND
4753	Israel	168707	Granted	A METHOD OF EJECTING A DROP OF A BUBBLE FORMING
4754	Israel	174357	Granted	FLUID FROM IT
4755	Israel	174358	Granted	HIGH EFFICIENCY THERMAL INK JET PRINthead
				THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE
				FORMATION
				THERMAL INK JET PRINthead WITH CAVITATION GAP
				INK JET PRINthead, A PRINTER SYSTEM COMPRISING IT AND
				A METHOD OF EJECTING A DROP OF A BUBBLE FORMING
				LIQUID FROM IT
				THERMAL INK JET PRINthead WITH HIGH NOZZLE AREAL
				DENSITY
				THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED
				NOZZLE PLATE
				INKJET PRINthead PRINTER SYSTEM COMPRISING IT AND A
				METHOD OF EJECTING A DROP OF A BUBBLE FORMING FLUID
				FROM IT
				THERMAL INK JET PRINthead WITH HEATERS FORMED FROM
				LOW ATOMIC NUMBER ELEMENTS AND A METHOD OF
				EJECTING A DROP OF A BUBBLE FORMING LIQUID FROM THE
				PRINthead
				Thermal Inkjet Printhead With Low Heater Mass
				A PRINTING DEVICE
				PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY

Exhibit A, Page 152

	Country	Official No.	Case Status	Title
				IDENTIFICATION
4756	Israel	178586	Granted	Modular Printhead Assembly with Serially Arranged Printhead Modules
4757	Israel	153715	Pending	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4758	Israel	170766	Pending	A Printing and Display Device
4759	Italy	0999934	Granted	A THERMALLY ACTUATED INK JET
4760	Italy	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
4761	Japan	2009-112852	Pending	THERMAL INK JET PRINTHEAD WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
4762	Japan	2009-163049	Pending	Common inkjet printer cradle for pagewidth printhead printer cartridge
4763	Japan	2012514298	Pending	PRINTING SYSTEM WITH FIXED PRINTHEADS AND MOVABLE VACUUM PLATEN
4764	Japan	2012-527155	Pending	SOLVENT-BASED INKJET INKS COMPRISING SURFACE-MODIFIED PIGMENTS
4765	Japan	2012-524060	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH LIMITED ENCRYPTION KEY RETRIEVAL
4766	Japan	2011-506533	Pending	THERMAL BEND ACTUATOR COMPRISING BENT ACTIVE BEAM HAVING RESISTIVE HEATING BARS
4767	Japan	2011-527150	Pending	EFFICIENT INKJET NOZZLE ASSEMBLY
4768	Japan	2011-531298	Pending	INKJET PRINTHEAD WITH TITANIUM ALUMINIUM ALLOY HEATER
4769	Japan	2011-532465	Pending	PRINTHEAD WITH INCREASING DRIVE PULSE TO COUNTER HEATER OXIDE GROWTH
4770	Japan	2011-532466	Pending	INKJET NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
4771	Japan	2012-514288	Pending	PRINTHEAD HAVING POLYSILSESQUIOXANE COATING ON INK EJECTION FACE
4772	Japan	2012-514289	Pending	INKJET PRINTHEAD ASSEMBLY HAVING BACKSIDE ELECTRICAL CONNECTION
4773	Japan	2012-516434	Pending	CRACK-RESISTANT THERMAL BEND ACTUATOR
4774	Japan	2009-161664	Pending	Cradle unit for a print engine having a maintenance drive assembly
4775	Japan	2009-234474	Pending	CARTRIDGE UNIT FOR INKJET PRINTER
4776	Japan	2009-234475	Pending	PAGEWIDTH PRINTHEAD ASSEMBLY FOR INKJET PRINTER
4777	Japan	2009-551078	Pending	METHOD OF FABRICATING PRINTHEAD HAVING HYDROPHOBIC INK EJECTION FACE
4778	Japan	2010-195992	Pending	PRINTING DEVICE HAVING VERTICALLY RETAINED PRINT MEDIA
4779	Japan	3863108	Granted	THERMOELASTIC ACTUATOR DESIGN
4780	Japan	3884708	Granted	PRINTED MEDIA PRODUCTION
4781	Japan	3884710	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
4782	Japan	3897696	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
4783	Japan	3920774	Granted	ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINTHEAD
4784	Japan	3937329	Granted	MOVING NOZZLE INK JET ACTUATOR
4785	Japan	3949582	Granted	PRINTHEAD MODULE ASSEMBLY

Exhibit A, Page 153

	Country	Official No.	Case Status	Title
4786	Japan	3955264	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
4787	Japan	3960918	Granted	FLOODED NOZZLE DETECTION
4788	Japan	3960919	Granted	A METHOD OF FABRICATING A PRINthead FOR AN INK JET PRINTER
4789	Japan	3974520	Granted	MOUNTING OF PRINthead IN SUPPORT MEMBER OF SIX COLOR INKJET MODULAR PRINthead
4790	Japan	3983665	Granted	ACTUATOR ANCHOR
4791	Japan	3989834	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
4792	Japan	3989835	Granted	INK FEED FOR SIX COLOR INKJET MODULAR PRINthead
4793	Japan	4004954	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead
4794	Japan	4021770	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
4795	Japan	4037365	Granted	INKJET PRINthead HAVING THERMAL BEND ACTUATOR HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
4796	Japan	4115943	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAD
4797	Japan	4137964	Granted	CONDUCTIVE PATHWAYS
4798	Japan	4137965	Granted	INKJET NOZZLE ACTUATED BY MAGNETIC PULSES
4799	Japan	4154331	Granted	INKJET NOZZLE WITH LORENZ FORCE ACTUATOR
4800	Japan	4160250	Granted	RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINthead
4801	Japan	4170582	Granted	THERMALLY ACTUATED INK JET
4802	Japan	4171037	Granted	A FIELD ACTUATED INK JET
4803	Japan	4173174	Granted	INKJET PRINTER WITH MAGNETIC PISTON ACTUATOR
4804	Japan	4185538	Granted	INKJET NOZZLE WITH MAGNETIC ACTUATOR CHAMBER
4805	Japan	4197950	Granted	INKJET PRINTER WITH ELECTRO-MAGNETICALLY ACTUATED INK PLUNGER
4806	Japan	4216188	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
4807	Japan	4286784	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
4808	Japan	4350929	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
4809	Japan	4373638	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
4810	Japan	4380961	Granted	INK JET PRINthead NOZZLE ARRAY
4811	Japan	4380962	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4812	Japan	4380984	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4813	Japan	4380985	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
4814	Japan	4384491	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
4815	Japan	4405145	Granted	INJET COLLIMATOR
4816	Japan	4426755	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
4817	Japan	4426759	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
				A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL

Exhibit A, Page 154

	Country	Official No.	Case Status	Title
				PRINTER
4818	Japan	4434578	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
4819	Japan	4456609	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
4820	Japan	4460206	Granted	Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
4821	Japan	4467621	Granted	Inkjet Printhead Having Isolated Nozzles
4822	Japan	4473314	Granted	ACTUATOR CONTROL IN AN MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
4823	Japan	4476495	Granted	INKJET PRINthead PRODUCTION METHOD
4824	Japan	4495762	Granted	MODULAR COMMERCIAL PRINTER
4825	Japan	4527940	Granted	Wall Mountable Printer With Removable Cartridge
4826	Japan	4537460	Granted	PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A PRINthead DRIVEN BY MULTIPLE PRINT ENGINE/CONTROLLERS
4827	Japan	4546697	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
4828	Japan	4546698	Granted	Thermoelastic Actuator Design
4829	Japan	4551323	Granted	FOUR COLOR MODULAR PRINthead ASSEMBLY
4830	Japan	4577677	Granted	MODULAR COMPACT CYLINDRICAL PRINTER SYSTEM
4831	Japan	4580558	Granted	COMPONENT FOR A FOUR COLOR PRINthead MODULE
4832	Japan	4583692	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
4833	Japan	4585727	Granted	DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR COMMERCIAL PRINTER
4834	Japan	4588974	Granted	Printing and Display Device having Paper Path
4835	Japan	4598867	Granted	PRINTING WITH A MULTI-SEGMENT PRINthead
4836	Japan	4603236	Granted	PRINTER MODULE FOR PRINTER SYSTEM
4837	Japan	4617002	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
4838	Japan	4620925	Granted	A METHOD FOR HALFTONING IN PRINTER
4839	Japan	4621766	Granted	Combination Printer and Image Reader in L-Shaped Configuration
4840	Japan	4634400	Granted	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead
4841	Japan	4647171	Granted	THERMAL ACTUATOR FOR MICRO ELECTRO-MECHANICAL DEVICE
4842	Japan	4673979	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
4843	Japan	4681654	Granted	INKJET PRINthead HAVING INK FLOW CONTROL STRUCTURE
4844	Japan	4685174	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
4845	Japan	4689935	Granted	PRINT ENGINE/CONTROLLER AND PRINthead INTERFACE
4846	Japan	4694086	Granted	CHIP INCORPORATING THE ENGINE/CONTROLLER
4847	Japan	4698918	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLY
4848	Japan	4699678	Granted	A LOADING MECHANISM FOR A MODULAR COMMERCIAL PRINTER
4849	Japan	4709285	Granted	Printhead with elongate nozzles

Exhibit A, Page 155

	Country	Official No.	Case Status	Title
4850	Japan	4713587	Granted	SYMMETRIC NOZZLE ARRANGEMENT A PRINTER FOR INCORPORATION INTO CONSUMER
4851	Japan	4714344	Granted	ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
4852	Japan	4722294	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM PRINthead MAINTENANCE ASSEMBLY COMPRISING
4853	Japan	4723649	Granted	MAINTENANCE ROLLER AND CLEANING MECHANISM
4854	Japan	4732588	Granted	THERMAL ACTUATOR AND MECHANICAL ACTUATOR
4855	Japan	4768195	Granted	OVERLAPPING PRINthead MODULE ARRAY CONFIGURATION AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR
4856	Japan	4776849	Granted	PRINthead METHOD SUITABLE FOR ETCHING HYDROPHILIC TRENCHES IN
4857	Japan	4819894	Granted	A SUBSTRATE Printhead assembly with constrained printhead integrated
4858	Japan	4819925	Granted	circuits
4859	Japan	4819926	Granted	Printhead assembly with multiple fluid supply connections
4860	Japan	4819927	Granted	Printhead assembly with dual power supply
4861	Japan	4824794	Granted	Printer having interface for refill control
4862	Japan	4824795	Granted	Printhead assembly with sealed fluid delivery channels Printer having removably mounted modular printhead and
4863	Japan	4824796	Granted	drive electronics METHOD OF MANUFACTURING A FOUR COLOR MODULAR
4864	Japan	4828067	Granted	PRINthead
4865	Japan	4870796	Granted	Printing and Display Device having Stand Inkjet printer with replaceable printhead requiring zero-
4866	Japan	4891370	Granted	insertion-force Refill unit for simultaneously engaging with and opening inlet
4867	Japan	4922354	Granted	valve to, an ink cartridge Inkjet Nozzle Assembly Having Thermal Bend Actuator With
4868	Japan	4933629	Granted	An Active Beam Defining Substantial Part of Nozzle Chamber Roof METHOD OF REMOVING MEMS DEVICES FROM A HANDLE
4869	Japan	4942055	Granted	SUBSTRATE INKJET PRINTER WITH REPLACEABLE PRINthead REQUIRING
4870	Japan	4960994	Granted	ZERO-INSERTION-FORCE A METHOD OF MANUFACTURING A THERMAL BEND
4871	Japan	7411514	Granted	ACTUATOR THERMAL EXPANSION COMPENSATION FOR MODULAR
4873	Japan	2001-578972	Pending	PRINthead ASSEMBLIES
4874	Japan	2002-506937	Pending	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
4875	Japan	2011-056875	Pending	METHOD OF MODIFYING PRINTED IMAGE
4876	Japan	2002-506939	Pending	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
4877	Japan	2006-549769	Pending	High Speed Digital Printer Unit
4878	Japan	2007-544687	Pending	Capping System for Inkjet Printhead Assembly
4879	Japan	2008-556611	Pending	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
4880	Japan	2009-530733	Pending	PRINthead IC WITH OPEN ACTUATOR TEST
4881	Japan	2009-553864	Pending	Fluidically Damped Printhead
4882	Japan	2010-530219	Pending	PRINthead WITH PRESSURE-DAMPENING STRUCTURES

Exhibit A, Page 156

	Country	Official No.	Case Status	Title
4883	Mexico	232732	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
4884	Netherland	0999934	Granted	A THERMALLY ACTUATED INK JET
4885	ds	1301344	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4886	Netherland	1301345	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
4887	ds	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
4888	Netherland	1567349	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS
4889	ds	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
4890	Netherland	1572463	Granted	DEAD NOZZLE COMPENSATION
4891	ds	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
4892	Netherland	1937480	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
4893	New Zealand	515465	Granted	A DUPLEX NETWORK COLOUR PRINTER
4894	New Zealand	528132	Granted	A DUPLEX NETWORK COLOUR PRINTER
4895	New Zealand	531182	Granted	IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
4896	New Zealand	531183	Granted	Printing cartridge with an integrated circuit device
4897	Zealand	531812	Granted	A DUPLEX NETWORK COLOR PRINTER
4898	PCT	PCT/AU2010/000125	Pending	METHOD OF MINIMIZING KOGATION IN THERMAL INKJET PRINtheadS
4899	PCT	PCT/AU2010/000265	Pending	PRINthead WIPING SYSTEM
4900	PCT	PCT/AU2010/001293	Pending	INKJET NOZZLE ASSEMBLY WITH DROP DIRECTIONALITY CONTROL VIA INDEPENDENTLY ACTUABLE ROOF PADDLES
4901	PCT	PCT/AU2010/001380	Pending	INKJET PRINthead HAVING HYDROPHILIC INK PATHWAYS
4902	PCT	PCT/AU2010/001418	Pending	PRINT HEAD MAINTENANCE SYSTEM
4903	PCT	PCT/AU2011/000572	Pending	SYSTEM FOR DISTRIBUTING FLUID AND GAS WITHIN PRINTER
4904	PCT	PCT/AU2011/000573	Pending	MAINTENANCE SYSTEM HAVING MODULAR SLED
4905	PCT	PCT/AU2011/000574	Pending	Fluid Distribution System for Pressure Control at Printhead
4906	PCT	PCT/AU2011/001233	Pending	PRINTER WITH REDUCED VORTEX OSCILLATION IN PRINT GAP
4907	PCT	PCT/AU2011/001312	Pending	Multiple Monochromatic Print Cartridge Printing System And Print Alignment Method
4908	PCT	PCT/AU2011/001384	Pending	PRINT HEAD MAINTENANCE SYSTEM
4909	PCT	PCT/AU21010/001292	Pending	INKJET PRINthead HAVING COMMON CONDUCTIVE TRACK ON NOZZLE PLATE
4910	PCT	PCT/AU2012/000502	Pending	INKJET PRINTER HAVING PRINthead AND INK FOR

Exhibit A, Page 157

Country	Official No.	Case Status	Title
			MINIMIZING CORROSION OF EXPOSED CORRODIBLE STRUCTURES WITHIN PRINTHEAD

Country	Official No.	Case Status	Title
---------	--------------	----------------	-------

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit A, Page 159

Country	Official No.	Case Status	Title
---------	--------------	----------------	-------

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit A, Page 160

Country	Official No.	Case Status	Title
---------	--------------	----------------	-------

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit A, Page 161

Country	Official No.	Case Status	Title
---------	--------------	----------------	-------

5067	Singapore	200900272-6	Pending	OUTLET INK REFILL UNIT WITH CARTRIDGE CONSTRICTION
5068	Singapore	200900273-4	Pending	ACTUATORS
5069	Singapore	200900277-5	Pending	PRINthead MAINTENANCE STATION

Exhibit A, Page 162

	Country	Official No.	Case Status	Title
5070	Singapore	200900284-1	Pending	INK REFILL UNIT FOR DOCKING WITH AN INK CARTRIDGE
5071	Singapore	200900285-8	Pending	REFILL UNIT FOR ENGAGING WITH, AND CLOSING THE OUTLET VALVE FROM AN INK STORAGE COMPARTMENT
5072	Singapore	200900286-6	Pending	INKJET PRINTER WITH CRADLE FOR UNOBSTRUCTED ACCESS TO CARTRIDGE
5073	Singapore	200900288-2	Pending	INKJET PRINthead WITH APERTURED SEALING FILM
5074	Singapore	200900296-5	Pending	INK REFILL UNIT WITH KEYED CONNECTION TO INK CARTRIDGE
5075	Singapore	200900378-1	Pending	INK CARTRIDGE WITH VARIABLE INK STORAGE VOLUME
5076	Singapore	200900379-9	Pending	CRADLE UNIT HAVING A COVER ASSEMBLY WITH INK REFILL PORT
5077	Singapore	200900389-8	Pending	CRADLE UNIT HAVING AN ELECTROMAGNETIC CAPPER ACTUATION SYSTEM
5078	Singapore	200900402-9	Pending	CRADLE UNIT FOR ELECTRICALLY ENGAGING WITH A PAGEWIDTH PRINthead CARTRIDGE
5079	Singapore	201001521-2	Pending	PRINthead WITH PRESSURE-DAMPENING STRUCTURES
5080	Singapore	201001698-8	Pending	METHOD OF FORMING LOW PROFILE WIRE BONDS BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS
5081	Singapore	201004513-6	Pending	PRINthead WITH MATCHED RESONANT DAMPING STRUCTURE
5082	Singapore	201005952-5	Pending	SHEET FEED ASSEMBLY DEFINING CURVED AND STRAIGHT FEED PATH
5083	Singapore	201006001-0	Pending	DOUBLE LASER DRILLING OF A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM
5084	Singapore	201101562-5	Pending	PRINthead CARTRIDGE INTERFACE HAVING POWER REGULATION
5085	Singapore	201103307-3	Pending	MEMS BUBBLE GENERATOR
5086	Singapore	201108194-0	Pending	PRINTING SYSTEM WITH FIXED PRINtheads AND MOVABLE VACUUM PLATEN
5087	Singapore	201108436-5	Pending	PRINthead HAVING POLYSILSESQUIOXANE COATING ON INK EJECTION FACE
5088	Singapore	201108477-9	Pending	METHOD OF FABRICATING PRINthead HAVING HYDROPHOBIC INK EJECTION FACE
5089	Singapore	201108524-8	Pending	INKJET PRINthead ASSEMBLY HAVING BACKSIDE ELECTRICAL CONNECTION
5090	Singapore	201201118-5	Pending	CRACK-RESISTANT THERMAL BEND ACTUATOR
5091	Singapore	201201217-5	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH LIMITED ENCRYPTION KEY RETRIEVAL
5092	Singapore	201201083-1	Pending	CONTINUOUS WEB PRINTER WITH SHORT MEDIA FEED PATH
5093	Singapore	201005944-2	Pending	PRINTER COMPRISING PRIMING PUMP AND DOWNSTREAM EXPANSION CHAMBER
5094	Singapore	200900381-5	Pending	PAGEWIDTH PRINthead CARTRIDGE HAVING AN INTEGRAL CAPPER UNIT ASSOCIATED THEREWITH
5095	Singapore	201001514-7	Pending	Inkjet Printer with Capping Mechanism
5096	Singapore	201004052-5	Pending	Inkjet Printer with Capping Mechanism
5097	Singapore	201005910-3	Pending	PRINTER WITH GAS BUBBLE OCCLUSION RESISTANT CONDUITS
5098	Singapore	201006000-2	Pending	PRINTER HAVING RECYCLING INK AND PRESSURE-EQUALIZED

Exhibit A, Page 163

	Country	Official No.	Case Status	Title
5099	Singapore	201006396-4	Pending	UPSTREAM AND DOWNSTREAM INK LINES FABRICATION OF A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM BY PHOTOPATTERNING LEAK TESTER FOR A CARRIER FOR PRINthead INTEGRATED CIRCUITRY
5100	Singapore	201008804-5	Pending	LAMINATING APPARATUS FOR A PRINthead CARRIER SUB- ASSEMBLY
5101	Singapore	201009617-0	Pending	EFFICIENT INKJET NOZZLE ASSEMBLY
5102	Singapore	201101432-1	Pending	INKJET PRINthead WITH TITANIUM ALUMINIUM ALLOY HEATER
5103	Singapore	201102541-8	Pending	PRINthead WITH INCREASING DRIVE PULSE TO COUNTER HEATER OXIDE GROWTH
5104	Singapore	201102927-9	Pending	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
5105	Singapore	200808567-2	Pending	INKJET PRINTER HAVING GRIPLESS DRIVE ROLLER
5106	Singapore	200804202-0	Pending	PRINTER WITH MOTOR DRIVEN MAINTENANCE STATION
5107	Singapore	200900279-1	Pending	THERMAL BEND ACTUATOR COMPRISING BENT ACTIVE BEAM HAVING RESISTIVE HEATING BARS
5108	Singapore	201006904-5	Pending	MULTI-CHIP PRINthead ASSEMBLER
5109	Singapore	201008547-0	Pending	
5110	Singapore	200703932-4	Grant fee paid	Inkjet Printer with Capping Mechanism
5111	Singapore	200809333-8	Grant fee paid	Method of removing particulates from a printhead using a liquid foam
5112	Singapore	200900274-2	Grant fee paid	INK CARTRIDGE WITH PRINthead MAINTENANCE STATION FOR INKJET PRINTER
5113	Singapore	200900280-9	Grant fee paid	REFILL UNIT FOR SIMULTANEOUSLY ENGAGING WITH, AND OPENING INLET VALVE TO, AN INK CARTRIDGE
5114	Singapore	200902857-2	Grant fee paid	Inkjet Nozzle Assembly Having Thermal Bend Actuator With An Active Beam Defining Substantial Part of Nozzle Chamber Roof
5115	Singapore	81401	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
5116	Singapore	84265	Granted	THERMAL ACTUATOR SHAPED FOR MORE UNIFORM TEMPERATURE PROFILE
5117	Singapore	84266	Granted	ACTUATOR ELEMENT
5118	Singapore	84267	Granted	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
5119	Singapore	84311	Granted	A DUPLEX NETWORK COLOUR PRINTER
5120	Singapore	85002	Granted	COMPACT COLOR PRINTER MODULE
5121	Singapore	85003	Granted	MODULAR COMPACT PRINTER SYSTEM
5122	Singapore	85004	Granted	NOZZLE CAPPING MECHANISM
5123	Singapore	85005	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM
5124	Singapore	85006	Granted	CONTROLLER FOR A PRINTER MODULE
5125	Singapore	85043	Granted	COLOR CONVERSION METHOD FOR COMPACT PRINTER SYSTEM
5126	Singapore	85044	Granted	METHOD AND APPARATUS FOR DITHERING

Exhibit A, Page 164

	Country	Official No.	Case Status	Title
5127	Singapore	87411	Granted	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE
5128	Singapore	87412	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
5129	Singapore	87456	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5130	Singapore	87457	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
5131	Singapore	87478	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5132	Singapore	89584	Granted	METHOD OF MANUFACTURING A FOUR COLOR MODULAR PRINthead
5133	Singapore	89586	Granted	COMPONENT FOR A FOUR COLOR PRINthead MODULE
5134	Singapore	89587	Granted	FOUR COLOR MODULAR PRINthead ASSEMBLY
5135	Singapore	89588	Granted	AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINthead
5136	Singapore	89589	Granted	FOUR COLOR MODULAR PRINthead SYSTEM
5137	Singapore	89589	Granted	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead
5138	Singapore	91025	Granted	CONSUMABLE AUTHENTICATION PROTOCOL AND SYSTEM
5139	Singapore	91026	Granted	UNAUTHORISED MODIFICATION OF VALUES STORED IN FLASH MEMORY
5140	Singapore	91027	Granted	VALIDATION PROTOCOL AND SYSTEM
5141	Singapore	91202	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLIES
5142	Singapore	91203	Granted	THERMAL EXPANSION COMPENSTAION FOR PRINthead ASSEMBLIES
5143	Singapore	91204	Granted	THERMAL EXPANSION COMPENSATION FOR MODULAR PRINthead ASSEMBLY
5144	Singapore	93002	Granted	IMPROVED THERMAL BEND ACTUATOR
5145	Singapore	93072	Granted	PRINT/ENGINE CONTROLLER WITH COLOR MASK
5146	Singapore	93073	Granted	PRINT ENGINE/]CONTROLLER AND PRINthead INTERFACE
5147	Singapore	93074	Granted	CHIP INCORPORATING THE ENGINE/CONTROLLER
5148	Singapore	93075	Granted	PRINTED PAGE TAG ENCODER
5149	Singapore	93076	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5150	Singapore	93077	Granted	A NOZZLE GUARD FOR AN INKJET PRINthead
5151	Singapore	93078	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
5152	Singapore	93079	Granted	INK JET PRINthead NOZZLE ARRAY
5153	Singapore	93080	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
5154	Singapore	93081	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
5155	Singapore	93389	Granted	PRINthead CAPPING ARRANGEMENT
5156	Singapore	93390	Granted	METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5157	Singapore	93391	Granted	ROTATING PLATEN MEMBER
5158	Singapore	93429	Granted	PAPER THICKNESS SENSOR IN A PRINTER
5159	Singapore	93617	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
			Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS

Exhibit A, Page 165

	Country	Official No.	Case Status	Title
5160	Singapore	93618	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
5161	Singapore	93619	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
5162	Singapore	93620	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
5163	Singapore	93621	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
5164	Singapore	93622	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A PRINthead DRIVEN BY MULTIPLE PRINT ENGINE/CONTROLLERS
5165	Singapore	93623	Granted	ENGINE/CONTROLLERS
5166	Singapore	93624	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
5167	Singapore	93625	Granted	PRINTING WITH A MULTI-SEGMENT PRINthead
5168	Singapore	93626	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
5169	Singapore	93995	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
5170	Singapore	93996	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
5171	Singapore	93997	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
5172	Singapore	93998	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
5173	Singapore	93999	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
5174	Singapore	94000	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR COMMERCIAL PRINTER
5175	Singapore	95238	Granted	A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL PRINTER
5176	Singapore	95239	Granted	A LOADING MECHANISM FOR A MODULAR COMMERCIAL PRINTER
5177	Singapore	95240	Granted	MODULAR COMMERCIAL PRINTER
5178	Singapore	95241	Granted	MOUNTING OF PRINthead IN SUPPORT OF SIX COLOR INKJET MODULAR PRINthead
5179	Singapore	96121	Granted	MOVING NOZZLE INK JET ACTUATOR
5180	Singapore	96130	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
5181	Singapore	96133	Granted	PRINTED MEDIA PRODUCTION
5182	Singapore	96136	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
5183	Singapore	96138	Granted	ACTUATOR ANCHOR
5184	Singapore	96293	Granted	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
5185	Singapore	96308	Granted	METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR PRINthead
5186	Singapore	96337	Granted	INK FEED FOR SIX COLOR INKJET MODULAR PRINthead
5187	Singapore	96340	Granted	THERMOELASTIC ACTUATOR DESIGN
5188	Singapore	96368	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
5189	Singapore	96766	Granted	ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINthead
5190	Singapore	98135	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINthead
5191	Singapore	98140	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINthead
5192	Singapore	98247	Granted	FLOODED NOZZLE DETECTION
5193	Singapore	98881	Granted	PRINthead ASSEMBLY CAPPING DEVICE
5194	Singapore	99157	Granted	PRINthead ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
5195	Singapore	99158	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL
5196	Singapore	99159	Granted	

Exhibit A, Page 166

	Country	Official No.	Case Status	Title
				EXTRUSION
5197	Singapore	99579	Granted	PRINthead MODULE ASSEMBLY
5198	Singapore	99580	Granted	PRINthead ASSEMBLY HAVING PRINthead MODULES IN A CHANNEL
5199	Singapore	99601	Granted	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINthead
5200	Singapore	102369	Granted	A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR IDENTIFICATION
5201	Singapore	102370	Granted	A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY IDENTIFICATION
5202	Singapore	102371	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION
5203	Singapore	102372	Granted	PRINTING CARTRIDGE WITH RADIO FREQUENCY IDENTIFICATION
5204	Singapore	102515	Granted	INKJET COLLIMATOR
5205	Singapore	102817	Granted	IMAGING PRINTING APPARATUS INCLUDING A MICROCONTROLLER
5206	Singapore	102820	Granted	PRINTING CARTRIDGE WITH AN INTERGRATED CIRCUIT DEVICE
5207	Singapore	102821	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
5208	Singapore	102822	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
5209	Singapore	103448	Granted	INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
5210	Singapore	103449	Granted	PRINTER INCLUDING PRINthead CAPPING MECHANISM
				INKJET PRINthead HAVING THERMAL BEND ACTUATOR
5211	Singapore	103450	Granted	HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE CHAMBER INK
5212	Singapore	103456	Granted	RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINthead
5213	Singapore	103457	Granted	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINthead
5214	Singapore	103472	Granted	AN ADHESIVE-BASED INK JET PRINthead ASSEMBLY
5215	Singapore	103484	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
5216	Singapore	103489	Granted	A KEYBOARD
5217	Singapore	105848	Granted	MOBILE PHONE WITH SWIPE PRINTER
5218	Singapore	105851	Granted	BATTERY CHARGING SYSTEM
5219	Singapore	106978	Granted	PROCESSING OF IMAGES FOR HIGH VOLUME PAGEWIDTH PRINTING
5220	Singapore	106979	Granted	A PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH PRINTER
5221	Singapore	107263	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP FOR AN INKJET PRINthead
5222	Singapore	107279	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
5223	Singapore	107280	Granted	WIDE FORMAT PAGEWIDTH INKJET PRINTER
5224	Singapore	107282	Granted	HIGH VOLUME PAGEWIDTH PRINTING
5225	Singapore	107283	Granted	MOTION TRANSMITTING STRUCTURE FOR A NOZZLE

Exhibit A, Page 167

	Country	Official No.	Case Status	Title
				ARRANGEMENT OF A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
5226	Singapore	107285	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINTHEAD
5227	Singapore	107287	Granted	SYMMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK JET PRINTHEAD CHIP
5228	Singapore	107303	Granted	PUSHER ACTUATION IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD
5229	Singapore	107833	Granted	A NOZZLE GUARD FOR AN INK JET PRINTHEAD
5230	Singapore	107919	Granted	NOZZLE GUARD FOR A PRINTHEAD
5231	Singapore	107929	Granted	INK JET PRINTHEAD CHIP WITH PREDETERMINED MICRO-ELECTROMECHANICAL SYSTEMS HEIGHT
5232	Singapore	107935	Granted	INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK PUSHER
5233	Singapore	107947	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
5234	Singapore	109511	Granted	A HAND HELD MOBILE PHONE WITH INTEGRAL INTERNAL PRINTER
5235	Singapore	109973	Granted	FLUID SUPPLY MECHANISM FOR MULTIPLE FLUIDS TO MULTIPLE SPACED ORIFICES
5236	Singapore	111827	Granted	SELF-COOLING THERMAL INK JET PRINTHEAD
5237	Singapore	111855	Granted	Thermal Ink Jet With Thin Nozzle Plate
5238	Singapore	112440	Granted	Thermal Ink Jet Printhead With Heaters Formed From Low Atomic Number Elements
5239	Singapore	112441	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
5240	Singapore	112442	Granted	Inkjet Printhead With Conformally Coated Heater
5241	Singapore	112459	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
5242	Singapore	112461	Granted	HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
5243	Singapore	112527	Granted	THERMAL INK JET PRINTHEAD WITH HIGH NOZZLE AREAL DENSITY
5244	Singapore	112528	Granted	THERMAL INK JET PRINTHEAD WITH SYMMETRIC BUBBLE FORMATION
5245	Singapore	112529	Granted	THERMAL INK JET PRINTHEAD WITH CAVITATION GAP
5246	Singapore	112558	Granted	THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
5247	Singapore	112605	Granted	DEAD NOZZLE COMPENSATION
5248	Singapore	112834	Granted	A SYSTEM FOR AUTHENTICATING PHYSICAL OBJECTS
5249	Singapore	112835	Granted	CONSUMABLE LIFETIME AUTHENTICATION PROTOCOL C1
5250	Singapore	112836	Granted	MICRO ELECTRO-MECHANICAL SYSTEM FOR EJECTION OF FLUIDS
5251	Singapore	114991	Granted	A printing and display device
5252	Singapore	116449	Granted	INK AND MEDIA CARTRIDGE WITH AXIAL INK CHAMBERS
5253	Singapore	116484	Granted	A HAND HELD MOBILE PHONE WITH INTEGRAL INTERNAL PRINTER WITH PRINT MEDIA SUPPLY
5254	Singapore	116487	Granted	DUPLEX INKJET PRINTING SYSTEM
5255	Singapore	116488	Granted	PRINTER TRANSFER ROLLER WITH INTERNAL DRIVE MOTOR
5256	Singapore	120064	Granted	THERMAL ACTUATOR

Exhibit A, Page 168

	Country	Official No.	Case Status	Title
5257	Singapore	123931	Granted	Combination Printer and Image Reader in L-Shaped Configuration
5258	Singapore	123933	Granted	Network Inkjet Printer Unit Having Multiple Media Input Trays
5259	Singapore	123934	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
5260	Singapore	123939	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
5261	Singapore	123940	Granted	Inkjet Printer Unit Having a High Speed Print Engine
5262	Singapore	123941	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
5263	Singapore	123942	Granted	High Speed Digital Printer Unit
5264	Singapore	125121	Granted	MODULAR INKJET PRINthead ASSEMBLY
5265	Singapore	125985	Granted	Selecting A Material for Use As The Expansive Element
5266	Singapore	125987	Granted	Method For Operating Nozzles In An Ink Jet Printhead
5267	Singapore	125989	Granted	Fluidic Seal For Ink Jet Nozzles
5268	Singapore	125990	Granted	Printhead Nozzles Using Viscous Drag
5269	Singapore	125992	Granted	Minscus Seal In Inkjet Nozzle Chamber
5270	Singapore	125993	Granted	Nozzle For An Ink Jet Printhead
5271	Singapore	125994	Granted	Print Nozzle Having A Nozzle Poker
5272	Singapore	126769	Granted	Printer and Printhead with Active Debris Prevention
5273	Singapore	126770	Granted	An Ink Supply Assembly
5274	Singapore	126773	Granted	Modular Pagewidth Printhead Having Replaceable Printehead Modules
5275	Singapore	127550	Granted	METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT
5276	Singapore	127733	Granted	VALIDATION CHIP
5277	Singapore	127734	Granted	CONSUMABLES VALIDATION CHIP
5278	Singapore	128043	Granted	Process for Modifying the Surface Profile of an Ink Supply Channel in a Printhead
5279	Singapore	128470	Granted	A MODULAR PRINthead ASSEMBLY WITH THERMAL DISTORTION COMPENSATION
5280	Singapore	128471	Granted	A PAGEWIDTH PRINthead ASSEMBLY
5281	Singapore	128472	Granted	LAMINATED SUPPORT STRUCTURE FOR SILICON PRINthead MODULES
5282	Singapore	129258	Granted	A MICRO ELECTRO-MECHANICAL ACTUATOR
5283	Singapore	129305	Granted	THERMAL BEND ACTUATOR
5284	Singapore	129879	Granted	SYMMETRIC NOZZLE ARRANGEMENT
5285	Singapore	132474	Granted	Capping System for Inkjet Printers Having Arcuately Moveable Printheads
5286	Singapore	132817	Granted	Capping/Purging System for Inkjet Printhead Assembly
5287	Singapore	132819	Granted	Capping System for Inkjet Printhead Assembly
5288	Singapore	133139	Granted	Wall Mountable Printer With Removable Cartridge
5289	Singapore	133140	Granted	Printhead Chip Having Longitudinal Ink Supply Channels
5290	Singapore	135493	Granted	Inkjet Printhead Having Isolated Nozzles
5291	Singapore	135891	Granted	Method of Hydrophobically Coating A Printhead
5292	Singapore	135966	Granted	A Printhead Assembly Incorporating a Plurality of Printhead Modules

Exhibit A, Page 169

	Country	Official No.	Case Status	Title
5293	Singapore	136292	Granted	PRINthead ASSEMBLY SUITABLE FOR REDIRECTING EJECTED INK DROPLETS
5294	Singapore	138441	Granted	CAPPING A PRINthead AGAINST A TRANSFER ROLLER METHOD SUITABLE FOR ETCHING HYDROPHILIC TRENCHES IN A SUBSTRATE
5295	Singapore	139348	Granted	Printhead Assembly Incorporating an Ink Distribution Structure
5296	Singapore	140466	Granted	Feed mechanism for maintaining constant web tension in a wide format printer
5297	Singapore	140717	Granted	PULSE DAMPED FLUIDIC ARCHITECTURE
5298	Singapore	140776	Granted	Printhead with elongate nozzles
5299	Singapore	141137	Granted	Printhead maintenance station
5300	Singapore	141185	Granted	Printhead maintenance assembly with film transport of ink
5301	Singapore	141564	Granted	PRINthead MAINTENANCE ASSEMBLY COMPRISING MAINTENANCE ROLLER AND CLEANING MECHANISM
5302	Singapore	141701	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
5303	Singapore	141705	Granted	Low loss electrode connection for inkjet printhead
5304	Singapore	141707	Granted	Method of maintaining a printhead using air blast cleaning
5305	Singapore	141744	Granted	PRINthead MAINTENANCE STATION HAVING MAINTENANCE BELT
5306	Singapore	142914	Granted	SELF-REFERENCING PRINthead ASSEMBLY
5307	Singapore	142956	Granted	A DUPLEX NETWORK COLOUR PRINTER
5308	Singapore	143020	Granted	A PRINT ENGINE FOR A PAGEWIDTH PRINthead INCORPORATING MICRO-ELECTROMECHANICAL NOZZLE ARRANGEMENTS
5309	Singapore	143051	Granted	METHOD OF MODULATING PRINthead PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
5310	Singapore	143405	Granted	INKJET PRINTER WITH PRINthead CARTRIDGE AND CRADLE THAT INTERENGAGE VIA AN OVERCENTRE MECHANISM
5311	Singapore	143422	Granted	MODULAR PRINthead ASSEMBLY
5312	Singapore	143955	Granted	VALIDATING AN AUTHENTICATION CHIP USING A SECRET KEY
5313	Singapore	143962	Granted	A PRINthead ASSEMBLY WITH AN INK FEED ARRANGEMENT
5314	Singapore	143966	Granted	PRINTER WITH INK DRYING FACILITY
5315	Singapore	143967	Granted	A DUPLEX NETWORK COLOUR PRINTER
5316	Singapore	144696	Granted	A DUPLEX NETWORK COLOR PRINTER
5317	Singapore	144699	Granted	INKJET PRINTER HAVING COMPENSATION FOR OVERLAPPING PRINthead ELEMENTS
5318	Singapore	144727	Granted	A MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE INCORPORATING A MOVABLE NOZZLE STRUCTURE
5319	Singapore	145549	Granted	METHOD FOR INK JET FAULT COMPENSATION USING EXTRA INK DOTS
5320	Singapore	145550	Granted	METHOD FOR INK JET PRINT IMAGE COMPENSATION
5321	Singapore	145551	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
5322	Singapore	146056	Granted	METHOD AND APPARATUS FOR PRINTING AN IMAGE
5323	Singapore	147278	Granted	INK PRESSURE REGULATOR WITH BUBBLE POINT PRESSURE REGULATION
5324	Singapore	148470	Granted	

Exhibit A, Page 170

	Country	Official No.	Case Status	Title
5325	Singapore	148517	Granted	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A DITHER MATRIX
5326	Singapore	148703	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
5327	Singapore	148821	Granted	A DUPLEX NETWORK COLOUR PRINTER
5328	Singapore	148825	Granted	METHOD OF MANUFACTURING A PRINthead ASSEMBLY
5329	Singapore	148836	Granted	PRINT ENGINE CONTROLLER WITH DITHERING AND COMPOSITING CIRCUITRY
5330	Singapore	149670	Granted	PRINthead ASSEMBLY WITH SNAP LOCKING COMPONENTS
5331	Singapore	149677	Granted	A PRINthead ASSEMBLY WITH AN INK DISTRIBUTION ARRANGEMENT
5332	Singapore	149678	Granted	PUMP ASSEMBLY FOR A PRINT ENGINE
5333	Singapore	150654	Granted	MEMS BUBBLE GENERATOR FOR LARGE STABLE VAPOR BUBBLES
5334	Singapore	152029	Granted	AN INKJET PRINthead THAT INCOPORATES FLUIDIC SEALS
5335	Singapore	152031	Granted	A PRINT ENGINE CONTROLLER FOR A PAGEWIDTH INKJET PRINT HEAD
5336	Singapore	152032	Granted	PRINthead ASSEMBLY WITH CAPPING ARRANGEMENT
5337	Singapore	152033	Granted	PRINthead WITH AIR SUPPLY ARRANGEMENT
5338	Singapore	152034	Granted	AN INK JET PRINthead INCORPORATING AN ARRAY OF NOZZLE ASSEMBLIES
5339	Singapore	152036	Granted	A PAGEWIDTH PRINthead DEFINING AN ARRAY OF NOZZLES WITH PREDETERMINED GROUPINGS
5340	Singapore	152038	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
5341	Singapore	152346	Granted	INK PRESSURE REGULATOR
5342	Singapore	152349	Granted	LOCALIZED SIGNAL DATA PRESERVATION WITHIN SIGNAL BANDWIDTH
5343	Singapore	153633	Granted	INK JET PRINthead WITH INK ISOLATED NOZZLE ACTUATOR
5344	Singapore	153634	Granted	INK JET NOZZLE ASSEMBLY WITH EXTERNALLY ARRANGED NOZZLE ACTUATOR
5345	Singapore	153635	Granted	PRINT ENGINE/CONTROLLER WITH HALF-TONER/COMPOSITOR
5346	Singapore	153636	Granted	INK CARTRIDGE HAVING SLIDABLE SEAL MEMBER
5347	Singapore	153637	Granted	DIGITAL CAMERA PRINT CARTRIDGE HOLDING PRINT MEDIA
5348	Singapore	153638	Granted	INK AND AIR FILTER
5349	Singapore	153639	Granted	DATA PACKAGE TEMPLATE WITH ARBITRARILY SHAPED DATA AREA
5350	Singapore	153640	Granted	AN INK SUPPLY ARRANGEMENT FOR A PRINT ENGINE
5351	Singapore	153641	Granted	A CLOSURE MECHANISM FOR A PRINthead
5352	Singapore	155029	Granted	AN EJECTOR SYSTEM FOR A PRINT ENGINE
5353	Singapore	155030	Granted	A MOTOR ARRANGEMENT FOR A PRINT ENGINE
5354	Singapore	155047	Granted	PRINTER STACK ARRANGEMENT
5355	Singapore	155762	Granted	An Inkjet Printhead Assembly with an Ink Supply Assembly
5356	Singapore	155763	Granted	INK JET FAULT TOLERANCE METHOD
5357	Singapore	155764	Granted	MODULAR PRINTER AND PRINthead ASSEMBLY THEREFORE
5358	Singapore	157219	Granted	MODULAR PRINTER WITH INK DRYING MEANS FOR PRINT MEDIA
			Granted	LAMINATED INK DISTRIBUTION STRUCTURE FOR A

Exhibit A, Page 171

	Country	Official No.	Case Status	Title
				PRINthead
5359	Singapore	165980	Granted	A MICRO-ELECTROMECHANICAL ACTUATOR WITH BUCKLE-RESISTANT PROPERTIES
5360	Singapore	165990	Granted	A VALIDATING APPARATUS FOR VALIDATING THE AUTHENTICITY OF A DEVICE
5361	Singapore	200306816-0	Granted	INK CARTRIDGE FOR AN INKJET PRINTER
5362	Singapore	200704944-8	Pending	INKJET PRINthead PRODUCTION METHOD
5363	Singapore	200900275-9	Pending	INKJET PRINTER WITH CARTRIDGE CRADLE HAVING INTERFACES FOR REFILL UNITS
5364	Singapore	200900282-5	Pending	REFILL UNIT FOR INK CARTRIDGE IN PRINTER WITH INK SUITABILITY VERIFICATION
5365	Singapore	200900298-1	Pending	INK REFILL UNIT WITH INK LEVEL INDICATOR
5366	Singapore	200900380-7	Pending	REPLACEABLE PAGEWIDTH PRINthead CARTRIDGE
5367	Singapore	200900399-7	Pending	PAGEWIDTH PRINthead ASSEMBLY HAVING ABUTTING INTEGRATED CIRCUITS ARRANGED THEREON
5368	Singapore	201001930-5	Pending	MICROCAPPING OF INKJET NOZZLES
5369	Singapore	201002464-4	Pending	METHOD OF FABRICATING INKJET PRINthead HAVING PLANAR NOZZLE PLATE
5370	South Africa	2002/0762	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5371	South Africa	2002/0764	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5372	South Africa	2002/0769	Granted	VENT IN A MICRO ELECTRO-MECHANICAL DEVICE
5373	South Africa	2002/0770	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
5374	South Africa	2002/10018	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
5375	South Africa	2002/10019	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
5376	South Africa	2002/10020	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS
5377	South Africa	2002/10021	Granted	PRINT ENGINE/CONTROLLER TO WORK IN MULTIPLES AND A PRINthead DRIVEN BY MULTIPLE PRINT ENGINE/CONTROLLERS
5378	South Africa	2002/10022	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
5379	South Africa	2002/10023	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
5380	South Africa	2002/10024	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
5381	South Africa	2002/10182	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING
5382	South Africa	2002/10183	Granted	PRINTING WITH A MULTI-SEGMENT PRINthead
5383	South Africa	2002/10184	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
5384	South	2002/10185	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE

Exhibit A, Page 172

	Country	Official No.	Case Status	Title
	Africa South			
5385	Africa South	2002/10186	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
5386	Africa South	2002/10187	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE
5387	Africa South	2002/10188	Granted	AN INK FEED ARRANGMENT FOR A PRINT ENGINE
5388	Africa South	2002/10189	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
5389	Africa South	2002/10190	Granted	INK JET FAULT TOLERANCE USING ADJACENT NOZZLES
5390	Africa South	2002/5850	Granted	A HAND HELD MOBILE PHONE WITH INTEGRAL INTERNAL PRINTER WITH PRINT MEDIA SUPPLY
5391	Africa South	2002/9343	Granted	INK JET EJECTOR
5392	Africa South	2002/9789	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
5393	Africa South	2002/9790	Granted	INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5394	Africa South	2002/9791	Granted	METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
5395	Africa South	2002/9792	Granted	ROTATING PLATEN MEMBER
5396	Africa South	2002/9793	Granted	INK JET PRINthead NOZZLE ARRAY
5397	Africa South	2002/9794	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
5398	Africa South	2002/9795	Granted	METHOD AND APPARATUS OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5399	Africa South	2002/9796	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
5400	Africa South	2002/9797	Granted	PRINthead CAPPING ARRANGEMENT
5401	Africa South	2002/9798	Granted	PAPER THICKNESS SENSOR IN A PRINTER
5402	Africa South	2002/9799	Granted	PRINT ENGINE/CONTROLLER AND PRINthead INTERFACE
5403	Africa South	2002/9800	Granted	CHIP INCORPORATING THE ENGINE/CONTROLLER
5404	Africa South	2002/9800	Granted	PRINTED PAGE TAG ENCODER
5405	Africa South	2003/1057	Granted	MODULAR COMMERCIAL PRINTER
5406	Africa South	2003/1058	Granted	A LOADING MECHANISM FOR A MODULAR COMMERCIAL PRINTER
5407	Africa South	2003/1059	Granted	A PRINT HEAD ASSEMBLY FOR A MODULAR COMMERCIAL PRINTER
5408	Africa South	2003/1060	Granted	DRYING OF AN IMAGE ON PRINT MEDIA IN A MODULAR COMMERCIAL PRINTER

Exhibit A, Page 173

	Country	Official No.	Case Status	Title
5408	South Africa	2003/3159	Granted	MOUNTING OF PRINTHEAD IN SUPPORT MEMBER OF SIX COLOR INKJET MODULAR PRINTHEAD
5409	South Africa	2003/3162	Granted	NOZZLE POKER FOR MOVING NOZZLE INK JET
5410	South Africa	2003/3163	Granted	FLUIDIC SEAL FOR MOVING NOZZLE INK JET
5411	South Africa	2003/3164	Granted	INK FEED FOR SIX COLOR INKJET MODULAR PRINTHEAD
5412	South Africa	2003/3165	Granted	METHOD OF ASSEMBLY OF SIX COLOR INKJET MODULAR PRINTHEAD
5413	South Africa	2003/3166	Granted	PRINTED MEDIA PRODUCTION
5414	South Africa	2003/3168	Granted	MOVING NOZZLE INK JET WITH INLET RESTRICTION
5415	South Africa	2003/3170	Granted	DROP FLIGHT CORRECTION FOR MOVING NOZZLE INK JET
5416	South Africa	2003/3175	Granted	MOVING NOZZLE INK JET ACTUATOR
5417	South Africa	2003/3176	Granted	ACTUATOR ANCHOR
5418	South Africa	2003/3180	Granted	THERMOELASTIC ACTUATOR DESIGN
5419	South Africa	2003/4923	Granted	ARRAY OF ABUTTING PRINT CHIPS IN A PAGEWIDTH PRINTHEAD
5420	South Africa	2003/4925	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINTHEAD
5421	South Africa	2003/5859	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINTHEAD
5422	South Africa	2003/6303	Granted	FLOODED NOZZLE DETECTION
5423	South Africa	2003/6305	Granted	PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINTHEAD
5424	South Africa	2003/7600	Granted	PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
5425	South Africa	2003/7601	Granted	PRINTHEAD ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS
5426	South Africa	2003/7602	Granted	PRINTHEAD ASSEMBLY HAVING PRINTHEAD MODULES IN A CHANNEL
5427	South Africa	2003/7603	Granted	PRINTHEAD ASSEMBLY CAPPING DEVICE
5428	South Africa	2003/7604	Granted	PRINTHEAD MODULE ASSEMBLY
5429	South Africa	2004/0863	Granted	INK JET EJECTOR
5430	South Africa	2004/0865	Granted	IMAGE PRINTING APPARATUS INCLUDING A MICROCONTROLLER
5431	South Africa	2004/0866	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION
5432	South	2004/0867	Granted	PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE

Exhibit A, Page 174

	Country	Official No.	Case Status	Title
	Africa South			IDENTIFICATION
5433	Africa South	2004/0868	Granted	PRINTING CARTRIDGE WITH AN INTEGRATED CIRCUIT DEVICE PRINTING CARTRIDGE WITH RADIO FREQUENCY
5434	Africa South	2004/0869	Granted	IDENTIFICATION A PRINTING CARTRIDGE WITH SWITCH ARRAY
5435	Africa South	2004/1204	Granted	IDENTIFICATION A PRINTING CARTRIDGE WITH PRESSURE SENSOR ARRAY
5436	Africa South	2004/1205	Granted	IDENTIFICATION A PRINTING CARTRIDGE WITH CAPACITIVE SENSOR
5437	Africa South	2004/1206	Granted	IDENTIFICATION
5438	Africa South	2004/1207	Granted	AN INK DISTRIBUTION ASSEMBLY FOR AN INK JET PRINTHEAD
5439	Africa South	2004/1820	Granted	INKJET COLLIMATOR RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET
5440	Africa South	2004/1821	Granted	PRINTHEAD RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET
5441	Africa South	2004/1822	Granted	PRINTHEAD
5442	Africa South	2004/1824	Granted	A KEYBOARD
5443	Africa South	2004/1825	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY
5444	Africa	2004/1826	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER INKJET PRINTHEAD HAVING THERMAL BEND ACTUATOR
	South			HEATING ELEMENT ELECTRICALLY ISOLATED FROM NOZZLE
5445	Africa South	2004/1827	Granted	CHAMBER INK
5446	Africa South	2004/1828	Granted	PRINTER INCLUDING PRINTHEAD CAPPING MECHANISM INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET
5447	Africa South	2004/1829	Granted	PRINTER
5448	Africa South	2004/6423	Granted	MOBILE PHONE WITH SWIPE PRINTER A BATTERY AND INK CHARGING STAND OR MOBILE
5449	Africa South	2004/6424	Granted	COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER A PRINT ASSEMBLY FOR A WIDE FORMAT PAGEWIDTH
5450	Africa South	2004/8129	Granted	PRINTER
5451	Africa South	2004/8130	Granted	HIGH VOLUME PAGEWIDTH PRINTING SYMMETRICALLY ACTUATED INK EJECTION COMPONENTS
5452	Africa South	2004/8131	Granted	FOR AN INK JET PRINTHEAD CLIPO TRANSLATION TO ROTATION CONVERSION IN AN INKJET
5453	Africa South	2004/8132	Granted	PRINTHEAD PUSHER ACTUATION IN A PRINTHEAD CHIP FOR AN INKJET
5454	Africa	2004/8133	Granted	PRINTHEAD MOTION TRANSMITTING STRUCTURE FOR A NOZZLE
	South			ARRANGEMENT OF A PRINTHEAD CHIP FOR AN INKJET
5455	Africa	2004/8134	Granted	PRINTHEAD

Exhibit A, Page 175

	Country	Official No.	Case Status	Title
	South			
5456	Africa	2004/8135	Granted	THERMOELASTIC INKJET ACTUATOR WITH HEAD CONDUCTIVE PATHWAYS
	South			
5457	Africa	2004/8136	Granted	WIDE FORMAT PAGEWIDTH INKJET PRINTER
	South			PROCESSING OF IMAGES FOR HIGH VOLUME PAGEWIDTH PRINTING
5458	Africa	2004/8138	Granted	
	South			
5459	Africa	2004/8140	Granted	INK JET NOZZLE ARRANGEMENT CONFIGURATION
	South			
5460	Africa	2004/8141	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
	South			INK JET NOZZLE ASSEMBLY INCLUDING DISPLACEABLE INK
5461	Africa	2004/8142	Granted	PUSHER
	South			
5462	Africa	2004/8143	Granted	NOZZLE GUARD FOR A PRINthead
	South			INK JET PRINthead CHIP WITH PREDETERMINED MICRO-
5463	Africa	2004/8144	Granted	ELECTROMECHANICAL SYSTEMS HEIGHT
	South			DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINthead CHIP
5464	Africa	2004/8147	Granted	FOR AN INKJET PRINthead
	South			
5465	Africa	2004/8684	Granted	INK CHANNEL EXTRUSION FOR A PRINTER ASSEMBLY
	South			
5466	Africa	2004/8685	Granted	DATA AND POWER SUPPLY ASSEMBLY FOR A PRINthead
	South			PRINthead ASSEMBLY INCORPORATING AN INK
5467	Africa	2004/8686	Granted	DISTRIBUTION STRUCTURE
	South			A PRINthead MODULE WITH A FLUID SUPPLY AND VALVE TO
5468	Africa	2004/8687	Granted	CLOSE THE FLUID SUPPLY
	South			
5469	Africa	2004/8688	Granted	NOZZLE CONTAINMENT FORMATION FOR INK JET PRINthead
	South			A PRINTER ASSEMBLY FOR USE WITH A DETACHABLE PRINT
5470	Africa	2004/8689	Granted	CARTRIDGE
	South			A PAGEWIDTH PRINthead ARRAY WITH ABUTTING PRINT
5471	Africa	2004/8690	Granted	CHIPS
	South			INKJET PRINthead HAVING NOZZLE GUARD WITH
5472	Africa	2004/8693	Granted	FORMATIONS FOR PROPER ALIGNMENT
	South			A PAGEWIDTH INKJET PRINTER FOR USE WITH A PRINT
5473	Africa	2004/8694	Granted	CARTRIDGE
	South			PRINthead ASSEMBLY HAVING PRINthead MODULES IN A
5474	Africa	2004/9083	Granted	CHANNEL
	South			Pagewidth Inkjet Printhead Having Deformable Nozzle
5475	Africa	2005/02528	Granted	Mounting
	South			
5476	Africa	2005/02529	Granted	User Interface With Integrated Printing
	South			
5477	Africa	2005/02531	Granted	Ink Jet Printhead Having Misdirected Ink Isolation Formations
	South			An Ink Jet Printer That Incorporates An Ink Distribution
5478	Africa	2005/02532	Granted	Assembly
	South			
5479	Africa	2005/02533	Granted	A Printhead Assembly For An Ink Jet Printer
5480	South	2005/02534	Granted	Printer Firing Sequence

Exhibit A, Page 176

	Country	Official No.	Case Status	Title
	Africa South			
5481	Africa South	2005/02535	Granted	Ink Jet Printhead Having Residue Guard For Nozzle Groups
5482	Africa South	2005/02537	Granted	Ink Jet Printhead Having Residue Removing Nozzle Guard
5483	Africa South	2005/02538	Granted	Inkjet Printhead Having Ink Nozzles Electrically Isolated From Actuators
5484	Africa South	2005/0536	Granted	METHOD OF FABRICATING AN IMAGE PRINTING CONTROL SYSTEM
5485	Africa South	2005/0537	Granted	PRINTING CONTROL BASED ON TWO DIMENSIONAL CODE INDICATIVE OF PRINTING CARTRIDGE
5486	Africa South	2005/0538	Granted	PRINTING CONTROL BASED ON SWITCH ARRAY IDENTIFICATION
5487	Africa South	2005/0539	Granted	A METHOD OF IDENTIFYING PRINTING CARTRIDGE CHARACTERISTICS WITH CAPACITIVE SENSORS
5488	Africa South	2005/0540	Granted	PRINTING CONTROL BASED ON BARCODE IDENTIFICATION OF PRINTING CARTRIDGE
5489	Africa South	2005/0541	Granted	PRINTING CONTROL BASED ON RADIO FREQUENCY IDENTIFICATION OF PRINTING CARTRIDGE
5490	Africa South	2005/0542	Granted	INK DISTRIBUTION ASSEMBLY FOR PAGE WIDTH INK JET PRINthead
5491	Africa South	2005/0544	Granted	PRINTING CONTROL BASED ON PRESSURE SENSOR ARRAY IDENTIFICATION
5492	Africa South	2005/0545	Granted	PRINTING DEVICE WITH PRINTING CONTROL BASED ON INTEGRATED CIRCUIT DEVICE OF PRINTING CARTRIDGE
5493	Africa South	2005/07139	Granted	A Printing and Display Device
5494	Africa	2005/0800	Granted	LIQUID EJECTION DEVICE
5495	Spain	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
5496	Sweden	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
5497	Sweden	1567349	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS
5498	Sweden	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
5499	Sweden	1572463	Granted	DEAD NOZZLE COMPENSATION
5500	Sweden	1937480	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER
5501	Switzerland	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
5502	Switzerland	1567349	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS
5503	Switzerland	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
5504	Switzerland	1572463	Granted	DEAD NOZZLE COMPENSATION
5505	Switzerland	1937480	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead USING A ROTATING ROLLER

Exhibit A, Page 177

	Country	Official No.	Case Status	Title
5506	Taiwan	97131289	Pending	PRINTER HAVING RECYCLING INK AND PRESSURE-EQUALIZED UPSTREAM AND DOWNSTREAM INK LINES
5507	Taiwan	97131291	Pending	PRESSURE-REGULATING CHAMBER FOR GRAVITY CONTROL OF HYDROSTATIC INK PRESSURE AND RECYCLING INK SUPPLY SYSTEM
5508	Taiwan	97131292	Pending	PRINTER WITH INK LINE DAMPENING OF INK PRESSURE SURGES
				MEASURING APPARATUS FOR A CARRIER OF PRINTHEAD INTEGRATED CIRCUITRY
5509	Taiwan	97131579	Pending	
				LAMINATING APPARATUS FOR A PRINTHEAD CARRIER SUB-ASSEMBLY
5510	Taiwan	97131592	Pending	
5511	Taiwan	97145753	Pending	METHOD OF FABRICATING NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
5512	Taiwan	97145754	Pending	PRINTHEAD INCLUDING MOVING PORTIONS AND SEALING BRIDGES
5513	Taiwan	97148791	Pending	MOLDED INK MANIFOLD WITH POLYMER COATING
5514	Taiwan	97148795	Pending	METHOD OF FABRICATING PRINTHEAD ASSEMBLY
5515	Taiwan	97149828	Pending	INK MANIFOLD WITH MULTIPLE CONDUIT SHUT OFF VALVE
5516	Taiwan	99103860	Pending	METHOD OF MINIMIZING KOGATION IN THERMAL INKJET PRINTHEADS
5517	Taiwan	99118392	Pending	Method for Hydrophilizing Surfaces of a Print head Assembly
5518	Taiwan	099131869	Pending	COMMUNICATION SYSTEM, METHOD AND DEVICE WITH LIMITED ENCRYPTION KEY RETRIEVAL
5519	Taiwan	99133542	Pending	INKJET NOZZLE ASSEMBLY WITH DROP DIRECTIONALITY CONTROL VIA INDEPENDENTLY ACTUABLE ROOF PADDLES
5520	Taiwan	099135449	Pending	INKJET PRINTHEAD HAVING HYDROPHILIC INK PATHWAYS
5521	Taiwan	100117054	Pending	SYSTEM FOR REDUCING INK COLOR MIXING EFFECTS IN PRINTER
5522	Taiwan	100117055	Pending	SYSTEM FOR TRANSPORTING MEDIA IN PRINTER
5523	Taiwan	100117067	Pending	MAINTENANCE SYSTEM HAVING TRANSLATABLE AND ROTATABLE WIPER FOR PRINTHEAD
5524	Taiwan	100117068	Pending	PRINTING SYSTEM HAVING PRINTHEAD BYPASS
5525	Taiwan	100117070	Pending	FLUID DISTRIBUTION SYSTEM HAVING MULTI-PATH VALVE FOR GAS VENTING
5526	Taiwan	100117071	Pending	PRINTING SYSTEM HAVING VALVED INK AND GAS DISTRIBUTION FOR PRINTHEAD
5527	Taiwan	100117072	Pending	SYSTEM FOR COUPLING FLUID SUPPLY TO PRINTHEAD
5528	Taiwan	100117073	Pending	PRINTER HAVING MODULAR MAINTENANCE SLED
5529	Taiwan	100117074	Pending	APPARATUS FOR ASSISTING PRINTING HAVING PROXIMAL WICK
5530	Taiwan	100117075	Pending	SYSTEM FOR SHAPING MEDIA AT PRINTHEAD
5531	Taiwan	100134775	Pending	PRINTER WITH REDUCED VORTEX OSCILLATION IN PRINT GAP
5532	Taiwan	100137333	Pending	Multiple Monochromatic Print Cartridge Printing System And Print Alignment Method

Exhibit A, Page 178

	Country	Official No.	Case Status	Title
5533	Taiwan	97145764	Unknown	INKJET NOZZLE ASSEMBLY HAVING MOVING ROOF STRUCTURE AND SEALING BRIDGE
5534	Taiwan	101116856	Pending	INKJET PRINTER HAVING PRINthead AND INK FOR MINIMIZING CORROSION OF EXPOSED CORRODIBLE STRUCTURES WITHIN PRINthead
5535	Taiwan	96107550	Pending	INK PRESSURE REGULATOR USING AIR BUBBLES DRAWN INTO INK
5536	Taiwan	96107555	Pending	INKJET NOZZLE ASSEMBLY HAVING MOVING ROOF PORTION DEFINED BY A THERMAL BEND ACTUATOR HAVING A PLURALITY OF CANTILEVER BEAMS
5537	Taiwan	96116517	Pending	METHOD OF FABRICATING PRINthead HAVING HYDROPHOBIC INK EJECTION FACE
5538	Taiwan	96116518	Pending	PRINthead HAVING HYDROPHOBIC POLYMER COATED ON INK EJECTION FACE
5539	Taiwan	96127766	Pending	PRINthead WITH DRIVE CIRCUITRY COMPONENTS ADJACENT THE PRINthead IC
5540	Taiwan	96127767	Pending	PRINthead WITH NON-PRIMING CAVITIES FOR PULSE DAMPING
5541	Taiwan	96127768	Pending	PRINthead WITH ELONGATE ARRAY OF NOZZLES AND DISTRIBUTED PULSE DAMPERS
5542	Taiwan	96127769	Pending	INK COUPLING FOR INKJET PRINTER WITH CARTRIDGE
5543	Taiwan	96137838	Pending	Method of Forming Connection Between Electrode and Actuator in an Inkjet Nozzle Assembly
5544	Taiwan	96137839	Pending	Printhead Integrated Circuit Comprising Inkjet Nozzle Assemblies Having Connector Posts
5545	Taiwan	96144793	Pending	INKJET PRINthead WITH OPPOSING ACTUATOR ELECTRODE POLARITIES
5546	Taiwan	96144795	Pending	PRINthead WITH MULTIPLE NOZZLES SHARING SINGLE NOZZLE DATA
5547	Taiwan	96144797	Pending	INKJET PRINTERS WITH ELONGATE CHAMBERS, NOZZLES AND HEATERS
5548	Taiwan	96144799	Pending	PRINthead WITH HIGH NOZZLE PITCH TRANVERSE TO PRINT DIRECTION
5549	Taiwan	96144801	Pending	PRINthead INTEGRATED CIRCUIT WITH MORE THAN 10000 NOZZLES
5550	Taiwan	96144804	Pending	PRINthead INTEGRATED CIRCUIT WITH HIGH DROPLET EJECTOR DENSITY
5551	Taiwan	96144806	Pending	PAGEWIDTH PRINthead WITH MORE THAN 100000 NOZZLES
5552	Taiwan	96144809	Pending	PRINthead IC WITH MORE THAN 10000 NOZZLES IN THE EXPOSURE AREA OF A PHOTO-IMAGING DEVICE
5553	Taiwan	96147230	Pending	INKJET PRINthead COMPRISING NOZZLE PLATE HAVING IMPROVED ROBUSTNESS
5554	Taiwan	96147240	Pending	METHOD OF FABRICATING INKJET PRINthead HAVING PLANAR NOZZLE PLATE
5555	Taiwan	97100828	Pending	PRINthead WITH REDUNDANT NOZZLE CHAMBER INLETS FOR MINIMIZING EFFECTS OF BLOCKAGES
5556	Taiwan	97100829	Pending	PRINthead WITH PRESSURE-DAMPENING STRUCTURES
5557	Taiwan	97100830	Pending	PRINTER WITH MINIMAL DISTANCE BETWEEN PRESSURE-DAMPENING STRUCTURES AND NOZZLES

Exhibit A, Page 179

	Country	Official No.	Case Status	Title
5558	Taiwan	97102203	Pending	INK PRESSURE REGULATOR WITH IMPROVED LIQUID RETENTION IN REGULATOR CHANNEL
5559	Taiwan	97105899	Pending	METHOD OF WIRE BOND ENCAPSULATION PROFILING
5560	Taiwan	97105900	Pending	METHOD OF REDUCING WIRE BOND PROFILE HEIGHT IN INTEGRATED CIRCUITS MOUNTED TO CIRCUIT BOARDS
5561	Taiwan	97105901	Pending	INTEGRATED CIRCUIT SUPPORT FOR LOW PROFILE WIRE BOND
5562	Taiwan	97105902	Pending	WIRE BOND ENCAPSULANT APPLICATION CONTROL
5563	Taiwan	97106076	Pending	INKJET PRINTER WITH SELECTIVELY ISOLATABLE PUMP
5564	Taiwan	97106079	Pending	PRINTER WITH RESERVOIR HEADSPACE PRESSURE CONTROL
5565	Taiwan	97112331	Pending	PRINTER WITH GAS BUBBLE OCCLUSION RESISTANT CONDUITS
5566	Taiwan	97113623	Pending	INK SUPPLY SYSTEM WITH FLOAT VALVE CHAMBER
5567	Taiwan	97113624	Pending	PRINTHEAD PRIMING SYSTEM WITH FEEDBACK CONTROL OF PRIMING PUMP
5568	Taiwan	97113625	Pending	PRINTER HAVING INK SUPPLY SYSTEM WITH FLOAT VALVE CHAMBER
5569	Taiwan	97113626	Pending	PRINTER COMPRISING PRIMING SYSTEM WITH FEEDBACK CONTROL OF PRIMING PUMP
5570	Taiwan	97113638	Pending	BUBBLE-BURSTING BOX FOR AN INK SUPPLY SYSTEM
5571	Taiwan	97113641	Pending	PRINTHEAD DE-PRIMING SYSTEM WITH FLOAT VALVE ISOLATION OF PRINTHEAD FROM INK RESERVOIR
5572	Taiwan	97113643	Pending	PRINTER COMPRISING PRIMING/DE-PRIMING SYSTEM WITH COOPERATIVE PUSHING AND PULLING OF INK THROUGH PRINTHEAD
5573	Taiwan	97113647	Pending	METHOD OF MINIMIZING NOZZLE DROOLING DURING PRINTHEAD PRIMING
5574	Taiwan	97113650	Pending	METHOD OF PRIMING A PRINTHEAD WITH INK BUBBLES PRESENT IN A PRINTHEAD ASSEMBLY
5575	Taiwan	97113652	Pending	PRINTER WITH INK SUPPLY SYSTEM HAVING DOWNSTREAM CONDUIT LOOP
5576	Taiwan	97113653	Pending	PRINTER COMPRISING MULTIPLE COLOR CHANNELS WITH SINGLE AIR PUMP FOR PRINTHEAD PRIMING
5577	Taiwan	97113655	Pending	PRINTER COMPRISING PRIMING PUMP AND DOWNSTREAM EXPANSION CHAMBER
5578	Taiwan	97113658	Pending	METHOD OF PRIMING A PRINTHEAD HAVING DOWNSTREAM INK LINE CONNECTED TO A PRIMING PUMP
5579	Taiwan	97116088	Pending	PRINTHEAD MAINTENANCE FACILITY WITH NOZZLE WIPER MOVABLE PARALLEL TO MEDIA FEED DIRECTION
5580	Taiwan	97116089	Pending	PRINTHEAD NOZZLE WIPER AND DOCTOR BLADE FOR INK REMOVAL
5581	Taiwan	97116090	Pending	PRINTHEAD MAINTENANCE FACILITY WITH ELONGATE NOZZLE FACE WIPER
5582	Taiwan	97116091	Pending	ROTATING PRINTHEAD MAINTENANCE FACILITY WITH TUBULAR CHASSIS
5583	Taiwan	97116092	Pending	ROTATING PRINTHEAD MAINTENANCE FACILITY WITH SYMMETRICAL CHASSIS

Exhibit A, Page 180

	Country	Official No.	Case Status	Title
5584	Taiwan	97116093	Pending	PRINTER WITH PAPER GUIDE ON THE PRINthead AND PAGEWIDTH PLATEN ROTATED INTO POSITION
5585	Taiwan	97116094	Pending	PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE WIPER HAVING INDEPENDENT CONTACT BLADES
5586	Taiwan	97116095	Pending	PRINthead MAINTENANCE FACILITY WITH NOZZLE FACE WIPER HAVING MULTIPLE CONTACT BLADES
5587	Taiwan	97116096	Pending	Printhead Maintenance Facility with Nozzle Face Wiper Having Multiple Skew Blades
5588	Taiwan	97116098	Pending	PRINthead NOZZLE FACE WIPER WITH ARRAY OF PADS
5589	Taiwan	97116099	Pending	PRINthead NOZZLE FACE WIPER BLADE WITH MULTIPLE, INCLINED CONTACT SECTIONS
5590	Taiwan	97116100	Pending	PRINthead NOZZLE FACE WIPER WITH FIBROUS PAD
5591	Taiwan	97116101	Pending	PRINthead CARTRIDGE WITH TWO FLUID COUPLINGS
5592	Taiwan	97116103	Pending	PRINthead WIPING PROTOCOL FOR INKJET PRINTER
				PRINthead CARTRIDGE PRIMING PROTOCOL
5593	Taiwan	97116104	Pending	
5594	Taiwan	97116106	Pending	PRINTER WITH FLUIDICALLY COUPLED PRINthead CARTRIDGE
5595	Taiwan	97116107	Pending	PRINthead MAINTENANCE FACILITY WITH BALANCED LIFT MECHANISM
5596	Taiwan	97116108	Pending	PRINthead MAINTENANCE FACILITY WITH MULTIPLE INDEPENDENT DRIVES
5597	Taiwan	97116109	Pending	PRINthead MAINTENANCE FACILITY WITH BI-DIRECTIONAL WIPER MEMBER
5598	Taiwan	97116110	Pending	PRINthead MAINTENANCE FACILITY WITH VARIABLE SPEED WIPER ELEMENT
5599	Taiwan	97116111	Pending	PRINTER WITH ZERO INSERTION FORCE PRINthead CARTRIDGE
5600	Taiwan	97116112	Pending	PRINthead CARTRIDGE WITH NO PAPER PATH OBSTRUCTIONS
5601	Taiwan	97116113	Pending	PRINthead MAINTENANCE FACILITY WITH INNER AND OUTER CHASSIS
5602	Taiwan	97116114	Pending	PRINthead MAINTENANCE FACILITY WITH PAGEWIDTH ABSORBENT ELEMENT
5603	Taiwan	97116115	Pending	MULTIPLE CONDUIT FLUID COUPLING WITH LEAKAGE FLOW CONTROL
5604	Taiwan	97116116	Pending	PRINthead WITH EXTERIOR SURFACE PROFILED FOR WIPING MAINTENANCE STATION
5605	Taiwan	97116122	Pending	LOW INSERTION FORCE FLUID COUPLING
5606	Taiwan	97116128	Pending	PRINthead WITH MATCHED RESONANT DAMPING STRUCTURE
5607	Taiwan	97116129	Pending	PRINthead MAINTENANCE FACILITY WITH INTERCHANGEABLE STATIONS
5608	Taiwan	97116647	Pending	DIE PICKER WITH HEATED PICKING HEAD

Exhibit A, Page 181

	Country	Official No.	Case Status	Title
5609	Taiwan	97116657	Pending	METHOD OF REMOVING MEMS DEVICES FROM A HANDLE SUBSTRATE
5610	Taiwan	97116658	Pending	DIE PICKER WITH LASER DIE HEATER
5611	Taiwan	97116827	Pending	PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM HAVING DIFFERENTIATED ADHESIVE LAYERS
5612	Taiwan	97116828	Pending	METHOD OF ATTACHING PRINthead INTEGRATED CIRCUITS TO AN INK MANIFOLD USING ADHESIVE FILM
5613	Taiwan	97116829	Pending	PRINthead ASSEMBLY WITH MINIMAL LEAKAGE
5614	Taiwan	97116841	Pending	FABRICATION OF A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM BY PHOTOPATTERNING
5615	Taiwan	97116844	Pending	DOUBLE LASER DRILLING OF A PRINthead INTEGRATED CIRCUIT ATTACHMENT FILM
5616	Taiwan	97120627	Pending	SHORT PULSEWIDTH ACTUATION OF THERMAL BEND ACTUATOR
5617	Taiwan	97120632	Pending	THERMAL BEND ACTUATOR COMPRISING BENT ACTIVE BEAM HAVING RESISTIVE HEATING BARS
5618	Taiwan	97131294	Pending	METHOD OF PRIMING A PRINthead WITH CONCOMITANT REPLENISHMENT OF INK IN AN INK SUPPLY CHAMBER
5619	Taiwan	97131295	Pending	METHOD OF DEPRIMING A PRINthead WITH CONCOMITANT ISOLATION OF INK SUPPLY CHAMBER
5620	Taiwan	97131296	Pending	PRESSURE-REGULATING CHAMBER COMPRISING FLOAT VALVE BIASED TOWARDS CLOSURE BY INLET INK PRESSURE
5621	Taiwan	97131588	Pending	DIAGNOSTIC PROBE ASSEMBLY FOR PRINthead INTEGRATED CIRCUITRY
5622	Taiwan	97131589	Pending	LEAK TESTER FOR A CARRIER FOR PRINthead INTEGRATED CIRCUITRY
5623	Taiwan	97131590	Pending	SYSTEM FOR TESTING PRINthead INTEGRATED CIRCUITRY
5624	Taiwan	97131595	Pending	BONDING APPARATUS FOR BONDING A CARRIER SHEET USED FOR CARRYING PRINthead INTEGRATED CIRCUITRY
5625	Taiwan	97131599	Pending	ASSEMBLER FOR ASSEMBLING A CARRIER FOR PRINthead INTEGRATED CIRCUITS
5626	Taiwan	97131601	Pending	MULTI-CHIP PRINthead ASSEMBLER
5627	Taiwan	97131602	Pending	DIE PICKER FOR PICKING PRINthead DIE FROM A WAFER
5628	Taiwan	97136901	Pending	ELECTRONIC COMPONENT WITH WIRE BONDS IN LOW MODULUS FILL ENCAPSULANT
5629	Taiwan	97139729	Pending	EFFICIENT INKJET NOZZLE ASSEMBLY
5630	Taiwan	97139731	Pending	Inkjet Printer
5631	Taiwan	97139734	Pending	INKJET PRINTER WITH SMALL DROP SIZE
5632	Taiwan	97139938	Pending	INKJET PRINthead WITH TITANIUM ALUMINIUM ALLOY HEATER
5633	Taiwan	97144159	Pending	MICROCAPPING OF INKJET NOZZLES
5634	Taiwan	98107145	Pending	ELECTRONIC DEVICE WITH WIRE BONDS ADHERED BETWEEN INTEGRATED CIRCUITS DIES AND PRINTED CIRCUIT BOARDS

Exhibit A, Page 182

	Country	Official No.	Case Status	Title
5635	Taiwan	98107147	Pending	METHOD OF ADHERING WIRE BOND LOOPS TO REDUCE LOOP HEIGHT
5636	Taiwan	98125050	Pending	PRINthead HAVING POLYSILSESQUOXANE COATING ON INK EJECTION FACE
5637	Taiwan	98125053	Pending	PRINthead HAVING POLYMER INCORPORATING NANOPARTICLES COATED ON INK EJECTION FACE
5638	Taiwan	98125058	Pending	PRINthead HAVING INK EJECTION FACE COMPLEMENTING INK OR OTHER FEATURES OF PRINthead
5639	Taiwan	98125183	Pending	INKJET PRINthead ASSEMBLY HAVING BACKSIDE ELECTRICAL CONNECTION
5640	Taiwan	98125185	Pending	PRINthead INTEGRATED CIRCUIT CONFIGURED FOR BACKSIDE ELECTRICAL CONNECTION
5641	Taiwan	98125186	Pending	PRINthead INTEGRATED COMPRISING THROUGH-SILICON CONNECTORS
5642	Taiwan	98128504	Pending	CRACK-RESISTANT THERMAL BEND ACTUATOR
5643	Taiwan	98128505	Pending	METHOD OF FABRICATING CRACK-RESISTANT THERMAL BEND ACTUATOR
5644	Taiwan	98138110	Pending	SOLVENT-BASED INKJET INKS COMPRISING SURFACE-MODIFIED PIGMENTS
5645	Taiwan	99133543	Pending	INKJET PRINthead HAVING COMMON CONDUCTIVE TRACK ON NOZZLE PLATE
5646	Taiwan	96103746	Pending	MEMS BUBBLE GENERATOR FOR LARGE STABLE VAPOR BUBBLES
5647	Taiwan	96103748	Pending	INKJET PRINthead WITH ADJUSTABLE BUBBLE IMPULSE
5648	Taiwan	96103749	Pending	PRINthead IC WITH OPEN ACTUATOR TEST
5649	UK	0999933	Granted	MAGNETIC-FIELD-ACUTATED INK JET NOZZLE
5650	UK	0999934	Granted	A THERMALLY ACTUATED INK JET
5651	UK	1128961	Granted	PRINTER AND METHODS OF OPERATION
5652	UK	1150844	Granted	A PRINTER FOR INCORPORATION INTO CONSUMER ELECTRONIC (CE) SYSTEMS WITH LIMITED ACCESS
5653	UK	1165432	Granted	THERMAL BEND ACTUATOR AND PADDLE STRUCTURE FOR INK JET NOZZLE
5654	UK	1171378	Granted	A METHOD OF MANUFACTURING A THERMAL BEND ACTUATOR
5655	UK	1175301	Granted	A DUPLEX NETWORK COLOR PRINTER
5656	UK	1177102	Granted	PAGEWIDTH WIDE FORMAT PRINTER
5657	UK	1178888	Granted	ACTUATOR CONTROL IN A MICRO ELECTRO-MECHANICAL LIQUID EJECTION DEVICE
5658	UK	1185421	Granted	PAGE-WIDTH PRINthead
5659	UK	1194369	Granted	THERMAL BEND ACTUATOR FOR A MICRO ELECTRO-MECHANICAL DEVICE
5660	UK	1200262	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5661	UK	1204533	Granted	PRINthead SUPPORT STRUCTURE AND ASSEMBLY
5662	UK	1206353	Granted	SEAL IN MICRO ELECTRO-MECHANICAL INK EJECTION NOZZLE
5663	UK	1218190	Granted	COMPACT COLOR PRINTER MODULE
5664	UK	1218191	Granted	NOZZLE CAPPING MECHANISM
5665	UK	1218194	Granted	INK CARTRIDGE FOR COMPACT PRINTER SYSTEM

Exhibit A, Page 183

	Country	Official No.	Case Status	Title
5666	UK	1221140	Granted	Capping System for Inkjet Printhead Assembly
5667	UK	1222630	Granted	METHOD & APPARATUS FOR DITHERING COLOR CONVERSION METHOD FOR COMPACT PRINTER SYSTEM
5668	UK	1224620	Granted	
5669	UK	1240024	Granted	POWER SUPPLY FOR A FOUR COLOR MODULAR PRINthead METHOD OF MANUFACTURING A FOUR COLOR MODULAR PRINthead
5670	UK	1242244	Granted	
5671	UK	1242245	Granted	FOUR COLOR MODULAR PRINthead SYSTEM
5672	UK	1257419	Granted	COMPONENT FOR A FOUR COLOR PRINthead MODULE
5673	UK	1257420	Granted	FOUR COLOR MODULAR PRINthead ASSEMBLY AN INK SUPPLY DEVICE FOR A FOUR COLOR MODULAR PRINthead
5674	UK	1257421	Granted	
5675	UK	1260053	Granted	CONSUMABLE AUTHENTICATION PROTOCOL AND SYSTEM
5676	UK	1263593	Granted	MANUALLY ALIGNED PRINthead MODULES THERMAL EXPANSION COMPENSATION FOR MODULAR PRINT HEAD ASSEMBLY
5677	UK	1263594	Granted	
5678	UK	1263595	Granted	OVERLAPPING PRINthead MODULE ARRAY CONFIGURATION
5679	UK	1269540	Granted	MODULAR PRINthead ALIGNMENT SYSTEM THERMAL EXPANSION COMPENSATION FOR PRINT HEAD ASSEMBLIES
5680	UK	1274583	Granted	
5681	UK	1274584	Granted	INK JET EJECTOR
5682	UK	1289761	Granted	ROTATING PLATEN MEMBER
5683	UK	1289762	Granted	PAPER THICKNESS SENSOR IN A PRINTER
5684	UK	1289763	Granted	A NOZZLE GUARD FOR AN INK JET PRINthead
5685	UK	1289764	Granted	AIR SUPPLY ARRANGEMENT FOR A PRINTER
5686	UK	1289765	Granted	PRINthead CAPPING ARRANGEMENT
5687	UK	1292449	Granted	FLUIDIC SEAL FOR AN INK JET NOZZLE ASSEMBLY
5688	UK	1292450	Granted	INK JET PRINthead NOZZLE ARRAY
5689	UK	1292451	Granted	LAMINATED INK DISTRIBUTION ASSEMBLY FOR A PRINTER
5690	UK	1294635	Granted	IMPROVED THERMAL BEND ACTUATOR
5691	UK	1296834	Granted	PRINT ENGINE/CONTROLLER WITH COLOR MASK
5692	UK	1299239	Granted	AN INK FEED ARRANGEMENT FOR A PRINT ENGINE
5693	UK	1299241	Granted	AN EJECTOR MECHANISM FOR A PRINT ENGINE
5694	UK	1299243	Granted	A SEPARATING DEVICE FOR A PRINT ENGINE INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5695	UK	1301344	Granted	
				METHOD OF MANUFACTURE OF AN INK JET PRINthead HAVING A MOVING NOZZLE WITH AN EXTERNALLY ARRANGED ACTUATOR
5696	UK	1301345	Granted	
5697	UK	1301346	Granted	BUCKLE RESISTANT THERMAL BEND ACTUATORS METHOD AND APPARATUS FOR COMPENSATION FOR TIME VARYING NOZZLE MISALIGNMENT IN A DROP ON DEMAND PRINthead
5698	UK	1301347	Granted	
5699	UK	1301348	Granted	A CAPPING MECHANISM FOR A PRINT ENGINE
5700	UK	1301349	Granted	A PRINT ENGINE INCLUDING AN AIR PUMP
5701	UK	1301351	Granted	CONTROLLING THE TIMING OF PRINthead NOZZLE FIRING

Exhibit A, Page 184

	Country	Official No.	Case Status	Title
5702	UK	1303408	Granted	INK JET FAULT TOLERANCE USING OVERSIZE DROPS
5703	UK	1303409	Granted	INK JET FAULT TOLERANCE USING EXTRA INK DOTS
5704	UK	1303410	Granted	
5705	UK	1303413	Granted	PRINT CARTRIDGE WITH AIR FILTERING MEANS
5706	UK	1303414	Granted	INK CARTRIDGE WITH INK RESERVOIRS AND PELLETS
5707	UK	1303415	Granted	AN INK SUPPLY ASSEMBLY FOR A PRINT ENGINE
5708	UK	1303416	Granted	PRINTING FOR A MULTI-SEGMENT PRINTHEAD
5709	UK	1316061	Granted	DATA PACKAGE TEMPLATE WITH DATA EMBEDDING
5710	UK	1355787	Granted	NOZZLE FLOOD ISOLATION FOR INK JET PRINTHEAD ARRAY OF ABUTTING PRINT CHIPS IN A PAGewidth PRINTHEAD
5711	UK	1355788	Granted	
5712	UK	1363780	Granted	NOZZLE GUARD ALIGNMENT FOR INK JET PRINTHEAD PROTECTION OF NOZZLE STRUCTURES IN AN INK JET PRINTHEAD
5713	UK	1363781	Granted	
5714	UK	1365918	Granted	FLOODED NOZZLE DETECTION
5715	UK	1379386	Granted	PRINTHEAD ASSEMBLY CAPPING DEVICE PRINTER ASSEMBLY HAVING FLEXIBLE INK CHANNEL EXTRUSION
5716	UK	1379387	Granted	
5717	UK	1379388	Granted	PRINTHEAD ASSEMBLY HAVING FLEXIBLE PRINTED CIRCUIT BOARD AND BUSBARS PRINTHEAD ASSEMBLY HAVING PRINTHEAD MODULES IN A CHANNEL
5718	UK	1379389	Granted	
5719	UK	1379392	Granted	PRINTHEAD MODULE ASSEMBLY THERMAL EXPANSION COMPENSATION FOR MODULAR PRINTHEAD ASSEMBLIES
5720	UK	1412191	Granted	
5721	UK	1414650	Granted	PRINTING CARTRIDGE WITH BARCODE IDENTIFICATION PRINTING CARTRIDGE WITH TWO DIMENSIONAL CODE IDENTIFICATION
5722	UK	1425180	Granted	
5723	UK	1425181	Granted	A PRINTING CARTRIDGE WITH SWITCH ARRAY IDENTIFICATION INK SUPPLY ARRANGEMENT FOR A PORTABLE INK JET PRINTER
5724	UK	1432582	Granted	
5725	UK	1432583	Granted	INK SUPPLY ARRANGEMENT FOR A PRINTER
5726	UK	1432585	Granted	AN ADHESIVE-BASED INK JET PRINT HEAD ASSEMBLY RESIDUE REMOVAL FROM NOZZLE GUARD FOR INK JET PRINTHEAD
5727	UK	1432586	Granted	
5728	UK	1432587	Granted	RESIDUE GUARD FOR NOZZLE GROUPS OF AN INK JET PRINTHEAD
5729	UK	1432588	Granted	INKJET COLLIMATOR A BATTERY AND INK CHARGING STAND OR MOBILE COMMUNICATION DEVICE HAVING AN INTERNAL PRINTER SYMETRICALLY ACTUATED INK EJECTION COMPONENTS FOR AN INK HET PRINTHEAD CHIP
5730	UK	1481562	Granted	
5731	UK	1494865	Granted	
5732	UK	1494866	Granted	DISCRETE AIR AND NOZZLE CHAMBERS IN A PRINTHEAD CHIP FOR AN INKJET PRINTHEAD THERMOELASTIC INKJET ACTUATOR WITH HEAT CONDUCTIVE PATHWAYS
5733	UK	1494867	Granted	

Exhibit A, Page 185

	Country	Official No.	Case Status	Title
5734	UK	1494868	Granted	PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead
5735	UK	1494869	Granted	
5736	UK	1499500	Granted	TRANSLATION TO ROTATION CONVERSION IN AN INKJET PRINthead
5737	UK	1508443	Granted	INKJET PRINTER WITH ELECTRO-MAGNETICALLY ACTUATED INK PLUNGER
5738	UK	1508444	Granted	INKJET PRINTER WITH ELECTROSTATICALLY ACTUATED PLATES
5739	UK	1508445	Granted	Inkjet nozzle with lorenz force actuator
5740	UK	1508446	Granted	INKJET NOZZLE WITH SOLENOID ACTUATOR
5741	UK	1508448	Granted	INKJET NOZZLE WITH TAPERED MAGNETIC PLUNGER
5742	UK	1508499	Granted	Inkjet nozzle with magnetic actuator chamber
5743	UK	1510339	Granted	INKJET NOZZLE ACTUATED BY MAGNETIC PULSES
5744	UK	1510340	Granted	INKJET NOZZLE ACTUATED BY SLOTTED PLUNGER
5745	UK	1510341	Granted	INKJET NOZZLE WITH ELECTROMAGNETIC SHUTTER
5746	UK	1512535	Granted	INKJET PRINTER WITH MAGNETIC PISTON ACTUATOR
5747	UK	1513687	Granted	NOZZLE GUARD FOR A PRINthead
5748	UK	1520697	Granted	PRINT ENGINE INCLUDING TRANSFER ROLLER
5749	UK	1520698	Granted	METHOD OF CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
5750	UK	1520699	Granted	DIGITAL PRINTING SYSTEM FOR PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
5751	UK	1520700	Granted	PRINT ENGINE INCLUDING MEANS FOR INHIBITING INK EVAPORATION
5752	UK	1535738	Granted	CONTROLLER FOR CONTROLLING PRINTING ON BOTH SURFACES OF A SHEET OF PRINT MEDIA
5753	UK	1565318	Granted	THERMAL INK JET PRINthead WITH SUSPENDED BEAM HEATER
5754	UK	1567345	Granted	SELF-COOLING THERMAL INK JET PRINthead
5755	UK	1567346	Granted	THERMAL INK JET PRINthead WITH HEATERS FORMED FROM LOW ATOMIC NUMBER ELEMENTS
5756	UK	1567348	Granted	INKJET PRINthead WITH CONFORMALLY COATED HEATER
5757	UK	1567349	Granted	THERMAL INK JET PRINthead WITH LOW HEATER MASS
5758	UK	1567351	Granted	THERMAL INK JET PRINthead WITH SYMMETRIC BUBBLE FORMATION
5759	UK	1567353	Granted	THERMAL INK JET PRINthead WITH CAVITATION GAP
5760	UK	1569799	Granted	STACKED HEATER ELEMENTS IN A THERMAL INK JET PRINthead
5761	UK	1569800	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
5762	UK	1572463	Granted	DEAD NOZZLE COMPENSATION
5763	UK	1637330	Granted	Thermal actuator with corrugated heater element
5764	UK	1640162	Granted	Inkjet nozzle arrangement having paddle forming a portion of a wall
5765	UK	1647402	Granted	Ink jet nozzle with actuator mechanism between nozzle chamber and ink supply
5766	UK	1650030	Granted	Nozzle chamber with paddle vane and externally located

Exhibit A, Page 186

	Country	Official No.	Case Status	Title
				thermal actuator
5767	UK	1650031	Granted	Ink jet nozzle with slotted sidewall and moveable vaneInk jet nozzle with slotted sidewall and moveable vane
5768	UK	1652671	Granted	Ink jet nozzle having two fluid ejection apertures and a moveable paddle vane
5769	UK	1706267	Granted	INKJET PRINTER SYSTEM WITH REMOVABLE CARTRIDGE
5770	UK	1706273	Granted	PRINthead ASSEMBLY AND PRINthead MODULE FOR SAME
5771	UK	1706274	Granted	Cartridge Unit Having Negatively Pressurized Ink Storage
5772	UK	1708888	Granted	DIGITAL PHOTOFINISHING SYSTEM
				METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT PLACEMENT DUE TO ERRONEOUS
5773	UK	1765595	Granted	ROTATIONAL DISPLACEMENT
5774	UK	1827836	Granted	Inkjet Printer with Capping Mechanism
				Capping System Incorporating a Flexible Capping Member for Inkjet Printhead Assembly
5775	UK	1827837	Granted	Inkjet Printhead Assembly
5776	UK	1827839	Granted	Two-Stage Capping Mechanism for Inkjet Printers
5777	UK	1827841	Granted	Inkjet Printer with Capping Mechanism
5778	UK	1841598	Granted	INKJET PRINthead PRODUCTION METHOD
5779	UK	1934053	Granted	Printhead maintenance station
				PRINthead MAINTENANCE ASSEMBLY COMPRISING
5780	UK	1934054	Granted	MAINTENANCE ROLLER AND CLEANING MECHANISM
				METHOD OF REMOVING PARTICULATES FROM A PRINthead
5781	UK	1937480	Granted	USING A ROTATING ROLLER
				PRINthead MAINTENANCE STATION HAVING MAINTENANCE
5782	UK	1960206	Granted	BELT
5783	UK	1991423	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE
5784	UK	2043867	Granted	INKJET PRINthead WITH CONTROLLED DE-PRIME
5785	UK	00929018.0	Unknown	MODULAR COMPACT PRINTER SYSTEM
5786	UK	2158603	Unknown	METHOD OF FABRICATION MEMS INTEGRATED CIRCUITS
5787	UK	06828019.7	Unknown	INK PRESSURE REGULATOR
				METAL FILM PROTECTION DURING PRINthead FABRICATION
5788	UK	07815631.2	Unknown	WITH MINIMUM NUMBER OF MEMS PROCESSING STEPS
				METHOD OF FORMING CONNECTION BETWEEN ELECTRODE
5789	UK	07870177.8	Unknown	AND ACTUATOR IN AN INKJET NOZZLE ASSEMBLY