

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2590612

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SILVERBROOK RESEARCH PTY. LIMITED	05/03/2012
RECEIVING PARTY DATA	
Name:	ZAMTEC LIMITED
Street Address:	8 Fitzwilliam Square
City:	Dublin 2
State/Country:	IRELAND
PROPERTY NUMBERS Total: 31	
Property Type	Number
Patent Number:	8068254
Patent Number:	8014022
Patent Number:	8009333
Patent Number:	7564580
Patent Number:	7468810
Patent Number:	7430067
Patent Number:	7286260
Patent Number:	7236271
Patent Number:	7209257
Patent Number:	7177055
Patent Number:	7161715
Patent Number:	7158258
Patent Number:	7154632
Patent Number:	7154626
Patent Number:	7148993
Patent Number:	7145689

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Patent Number:	7136198
Patent Number:	7136186
Patent Number:	7130075
Patent Number:	7092130
Patent Number:	7081974
Patent Number:	7079292
Patent Number:	7075684
Patent Number:	6999206
Patent Number:	6628430
Patent Number:	6405055
Patent Number:	6915140
Patent Number:	7158809
Patent Number:	7460882
Patent Number:	7583979
Patent Number:	7917168

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	MEMJET_313617_2001
NAME OF SUBMITTER:	KEVIN J. ZIMMER
Signature:	/Kevin J. Zimmer/
Date:	10/24/2013

Total Attachments: 112

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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.

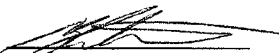
The Assignors hereby authorize and empower Assignee, its successors, assigns, legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for all inventions related to the Assigned IP filed by it or them, the benefit of the right of priority, including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

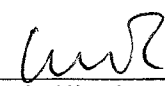
The Assignors hereby covenant with Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, that the Assignors have full right to convey the same as herein expressed free and clear of all liens, claims, and encumbrances,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

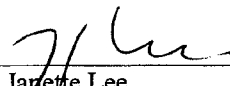
This First Confirmatory Assignment shall be subject to, and interpreted by and in accordance with, the laws of England.

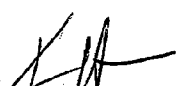
Witness Signature 
Witness Name NICHOLAS CHRISTIANSEN
Date 1 FEBRUARY 2013

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 Method of Manufacture of a Thermal Elastic Rotary Impeller
3	USA	6110754	Granted	Ink Jet Print Head A Method of Manufacture of a Radial Back-Curling
4	USA	6171875	Granted	Thermoelastic Ink Jet Printer A Method of Manufacture of a Thermally Actuated Ink Jet
5	USA	6180427	Granted	including a Tapered Heater Element Ink Jet Printer having a Thermal Actuator Comprising an
6	USA	6188415	Granted	External Coil Spring A Method of Manufacture of a Linear Spring Electromagnetic
7	USA	6190931	Granted	Grill Ink Jet Printer
8	USA	6209989	Granted	Dual Chamber Single Actuator Ink Jet Printing Mechanism
9	USA	6213588	Granted	Electrostatic Ink Jet Printing Mechanism Planar Thermoelastic Bend Actuator Ink Jet Printing
10	USA	6213589	Granted	Mechanism Method of Manufacture of a Reverse Spring Lever Ink Jet
11	USA	6214244	Granted	Printer Single Bend Actuator Cupped Paddle Ink Jet Printing
12	USA	6217153	Granted	Mechanism
13	USA	6217165	Granted	Ink and Media Cartridge with Axial Ink Chambers
14	USA	6220694	Granted	Pulsed Magnetic Field Ink Jet Printing Mechanism Method of Manufacture of a Radiant Plunger Electromagnetic
15	USA	6224780	Granted	Ink Jet Printer Method of Manufacture of a Pulsed Magnetic Field Ink Jet
16	USA	6225138	Granted	Printer
17	USA	6227652	Granted	Radiant Plunger Ink Jet Printer
18	USA	6227653	Granted	Bend Actuator Direct Ink Supply Ink Jet Printing Mechanism
19	USA	6227654	Granted	Ink Jet Printing Mechanism Method of Manufacture of a Thermally Actuated Ink Jet
20	USA	6228668	Granted	Printer having a Series of Thermal Actuator Units
21	USA	6231163	Granted	Stacked Electrostatic Ink Jet Printing Mechanism
22	USA	6231772	Granted	Method of Manufacture of an Iris Motion Ink Jet Printer A Method of Manufacture of a Tapered Magnetic Pole
23	USA	6231773	Granted	Electromagnetic Ink Jet Printer High Young's Modulus Thermoelastic Ink Jet Printing
24	USA	6234609	Granted	Mechanism
25	USA	6234610	Granted	Gear Driven Shutter Ink Jet Printing Mechanism
26	USA	6234611	Granted	Curling Calyx Thermoelastic Ink Jet Printing Mechanism
27	USA	6235211	Granted	Method of Manufacture of an Image Creation Apparatus
28	USA	6235212	Granted	Method of Manufacture of an Electrostatic Ink Jet Printer Thermally Actuated Slotted Chamber Wall Ink Jet Printing
29	USA	6238040	Granted	Mechanism

Exhibit A, Page 1

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

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

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	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

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	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 Fleible 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 Asembly
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

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	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 Ejecting 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

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	Country	Official No.	Case Status	Title
				Stack of Such Sheets
342	USA	6820967	Granted	Thermal Ink Jet Printhead with Heaters Formed from Low Atomic Numbers Elements
343	USA	6820968	Granted	A Fluid Dispensing Chip
344	USA	6820974	Granted	Inkjet Printer Incorporating a Media Tray Assembly
345	USA	6824242	Granted	Rotating Platen Member
346	USA	6824245	Granted	A Method of Assembling a Printhead Assembly Comprised of a Plurality of Printhead Modules
347	USA	6824246	Granted	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 HAVING A NOZZLE GUARD
350	USA	6824257	Granted	Ink supply system for a portable printer
351	USA	6827425	Granted	Liquid Ejection Device
352	USA	6827427	Granted	Core for Pagewidth Printhead
353	USA	6827428	Granted	Operating a Page Width Printhead to Print an Image
354	USA	6830315	Granted	Printhead Assembly Incorporating an Ink Supply Arrangement
355	USA	6830316	Granted	An ink jet printing mechanism that incorporates a shape memory alloy
356	USA	6830318	Granted	Thermal Ink Jet Printhead with Reduced Pressure Transients
357	USA	6830395	Granted	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 Formations for Actuators of the Device
361	USA	6837567	Granted	Nozzle Guard Alignment for Ink Jet Printhead
362	USA	6840600	Granted	Fluid Ejection Device that Incorporates Covering Formations for Actuators of the Fluid Ejection
363	USA	6843545	Granted	Determining the Volume of Ink in a Printer Reservoir
364	USA	6843551	Granted	Array of Abutting Print Chips in a Pagewidth Printhead
365	USA	6846059	Granted	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 Printing Pulses
370	USA	6854825	Granted	Printed Media Production
371	USA	6854827	Granted	Printer and Printhead with Active Debris Prevention
372	USA	6855264	Granted	Method of Manufacture of an Ink Jet Printer Having a Thermal Actuator Comprising an External Coil Spring
373	USA	6857571	Granted	Method for Surface Printing

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	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 Pagewidth 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 Inkjet 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
391	USA	6866373	Granted	Method of Manufacture of a Gear Driven Shutter Ink Jet Printer
392	USA	6866789	Granted	SUPPORTING STRUCTURE FOR A PAGEWIDTH PRINthead
393	USA	6869167	Granted	Printhead Assembly Having Two Sets of Fluid Inlets
394	USA	6869172	Granted	Printhead Structure
395	USA	6871937	Granted	Ink Jet Printhead Assembly And Method Of Assembling Same
396	USA	6871938	Granted	An Ink Jet Nozzle Having an Actuator Mechanism with a Movable Member Controlled by Two Actuators
397	USA	6874866	Granted	Nozzle Guard for an Ink jet Printhead
398	USA	6874868	Granted	A Printer Ink Capping Mechanism
399	USA	6877834	Granted	A Method of Fabricating a Printhead with Nozzle Protection
400	USA	6878299	Granted	INKJET PAGEWIDTH PRINTER FOR HIGH VOLUME PAGEWIDTH PRINTING
401	USA	6880914	Granted	A MICRO-ELECTROMECHANICAL DEVICE THAT INCORPORATES A MOTION-TRANSMITTING STRUCTURE
402	USA	6880918	Granted	Supply Mechanism for an Inkjet Printhead
403	USA	6880922	Granted	Page Transfer
404	USA	6883890	Granted	Compact Inkjet Printer For Portable Electronic Devices
405	USA	6883906	Granted	Supply Mechanism for an Inkjet Printhead
406	USA	6886915	Granted	Inkjet Printhead Nozzle with Ribbed Wall Actuator
407	USA	6886917	Granted	Ink Jet Printhead with Movable Ejection Nozzle
408	USA	6886918	Granted	Under Actuation Detection In A Micro Electromechanical
409	USA	6890052	Granted	

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	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

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	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

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	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	Ink Filing Arrangement For Elongate Printhead
492	USA	6962409	Granted	Ink Supply Device
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
498	USA	6966633	Granted	MECHANISMS LOCATED ABOUT EJECTION PORTS 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

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	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

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

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	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 Receivngly 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	

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	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

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	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

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	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

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	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

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	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	

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	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
779	USA	7118197	Granted	THERMAL INK JET PRINTHEAD WITH BUBBLE COLLAPSE POINT CLOSE TO NOZZLE APERTURE
780	USA	7118198	Granted	Thermal Ink Jet Printhead with Unintentional Boiling Prevention
781	USA	7118201	Granted	Thermal Ink Jet Printhead With Non-Buckling Heater Element
782	USA	7118202	Granted	Thermal Ink Jet Printhead with Drive Circuitry Offset From Heater Elements
783	USA	7121639	Granted	DATA RATE EQUALISATION TO ACCOUNT FOR RELATIVELY DIFFERENT PRINTHEAD WIDTHS
784	USA	7121655	Granted	Inkjet printer cartridge refill dispenser
785	USA	7125090	Granted	Firing Pulse Duration Control
786	USA	7125102	Granted	Micro-Electromechanical Fluid Ejection Device With Guided Actuator Movement
787	USA	7125103	Granted	FLUID EJECTION DEVICE WITH A THROUGH-CHIP MICRO-ELECTROMECHANICAL ACTUATOR
788	USA	7125106	Granted	Method of Assembling a Printhead Support Assembly
789	USA	7125185	Granted	Display Device Having Pagewidth Printer
790	USA	7128093	Granted	MEMS FLUID EJECTION DEVICE CONFIGURED FOR DETECTING A FAULT CONDITION
791	USA	7128384	Granted	Printer Controller With Printhead Feedback
792	USA	7128386	Granted	Printer With Capacitive Printer Cartridge Data Reader
793	USA	7128388	Granted	Residue Guard for Nozzle Groups of an Ink Jet Printhead
794	USA	7128392	Granted	Printhead Assembly that Incorporates a Printhead Module Retention Channel
795	USA	7128395	Granted	Printhead Assembly with Data and Power Board
796	USA	7128396	Granted	Mosular Printhead Assembly With Manually Adjustable Printhead Modules
797	USA	7128397	Granted	Ink Distribution Assembly for Page Width Ink Jet Printhead
798	USA	7128399	Granted	Alignment Mechanism For Printhead Modules Incorporating Elongate Printhead Integrated Circuits
799	USA	7128400	Granted	VERY HIGH EFFICIENCY THERMAL INK JET PRINTHEAD
800	USA	7128402	Granted	Inkjet Printhead With Low Volume Ink Displacement
801	USA	7128845	Granted	Protection of Nozzle Structures in an Ink Jet Printhead
802	USA	7130075	Granted	Handheld Mobile Communications Device With Integral Internal Printer And Drive Means For Business Card Printing
803	USA	7131715	Granted	Printhead Chip That Incorporates Micro-Mechanical Lever Mechanisms
804	USA	7131717	Granted	PRINTHEAD INTEGRATED CIRCUIT HAVING INK EJECTING THERMAL ACTUATORS
805	USA	7132056	Granted	METHOD OF FABRICATING A FLUID EJECTION DEVICE USING A PLANARIZING STEP
806	USA	7133799	Granted	Printhead Assembly With Composite Support Beam For A

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	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
				Pagewidth Inkjet Printhead Assembly With Actuator Drive
809	USA	7134740	Granted	Circuitry
810	USA	7134741	Granted	Ink Jet Printhead with Ink Ejection Direction Control
				Thermal Ink Jet Printhead with Heater Element Mounted to
811	USA	7134743	Granted	Opposing Sides of the Chamber
				Thermal Ink Jet Printhead with Heater Element that Forms
812	USA	7134744	Granted	Symmetrical Bubbles
				Thermal Ink Jet Printhead with Low Resistance Connection to
813	USA	7134745	Granted	Heater
				Handheld Mobile Communications Device With Integral
814	USA	7136186	Granted	Internal Printer And An Image Capture Device
815	USA	7136195	Granted	Fluid Capping Mechanism
				Handheld Mobile Communications Device with Integral
816	USA	7136198	Granted	Internal Printer
				Inkjet Printhead Having Inkjet Nozzle Arrangements
817	USA	7137686	Granted	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
820	USA	7140717	Granted	NOZZLE GUARD MATERIAL
821	USA	7140718	Granted	Inkjet Printer with a Pagewidth Printhead Assembly
822	USA	7140719	Granted	Actuator For A Micro-Electromechanical Value Assembly
				MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICE
				HAVING ACTUATOR MECHANISMS LOCATED IN CHAMBER
823	USA	7140720	Granted	ROOF STRUCTURE
824	USA	7140722	Granted	Ink Supply System With Integrated Data and Power Supply
				PRINTING CARTRIDGE INCORPORATING PRINT MEDIA AND
825	USA	7140726	Granted	AN INTERNAL FEED MECHANISM
826	USA	7144095	Granted	Inkjet Printer Incorporating an Ink Transfer Roller
				Printer Having a Printhead with an Inkjet Printhead Chip for
827	USA	7144098	Granted	Use with a Pulsating Pressure Ink Supply
				Method of Fabricating an Inkjet Printhead Chip Having
828	USA	7144519	Granted	Laminated Actuators
829	USA	7145592	Granted	INK JET PRINthead ASSEMBLY WITH MODULAR PRINtheadS
				Handheld Mobile Communications Device With Integral
830	USA	7145689	Granted	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
				Ink Jet Nozzle Arrangement That Incorporates A Movement
834	USA	7147297	Granted	Sensor
835	USA	7147302	Granted	Nozzle Assembly
				Inkjet Printing Device that Includes Nozzles with Volumetric
836	USA	7147303	Granted	Ink Ejection Mechanisms

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	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
858	USA	7152959	Granted	Mounting and Supporting Arrangement for Printhead Assembly
859	USA	7152960	Granted	MICRO-ELECTROMECHANICAL VALVE HAVING TRANSFORMABLE VALVE ACTUATOR
860	USA	7152961	Granted	Inkjet Printhead Integrated Circuit With Rows Of Inkjet Nozzles
861	USA	7152962	Granted	Ink Jet Printhead Having a Moving Nozzle with an Externally Arranged Actuator
862	USA	7152967	Granted	Ink Chamber Having A Baffle Unit
863	USA	7152972	Granted	Combination Printer and Image Reader in L-Shaped Configuration
864	USA	7154626	Granted	Printer Cellular Phone
865	USA	7154632	Granted	Handheld Mobile Communications Device With An Image Sensor And A Detachable Printing Mechanism
866	USA	7154637	Granted	Dither Volume for Cell Location

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	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	Ink Jet Printhead Having Nozzle Arrangement with Flexible Wall Actuator
881	USA	7158258	Granted	Casing For An Ink Cartridge
882	USA	7158809	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And A Slot For Print Media
883	USA	7159965	Granted	Mobile Device with integral print apparatus and print media supply
884	USA	7159967	Granted	Wide Format Printer With A Plurality Of Printhead Integrated Circuits
885	USA	7159968	Granted	MICRO-ELECTROMECHANICAL LIQUID EJECTION DEVICE HAVING SYMMETRICALLY ACTUATED INK EJECTION COMPONENTS
886	USA	7159972	Granted	PRINTHEAD INTEGRATED CIRCUIT COMPRISING THERMAL BEND ACTUATOR
887	USA	7161715	Granted	Printhead Module Having Selectable Number of Fluid Channels
888	USA	7163273	Granted	Handheld Mobile Communications Device With A Detachable Printing Mechanism And Receptacle Having An Interface
889	USA	7163276	Granted	Printing Cartridge with Two Dimensional Code Identification
890	USA	7163287	Granted	Testing of a Micro-Electromechanical Device for Under Actuation
891	USA	7163345	Granted	Combined Cutter And Slitter Module For A Printer
892	USA	7164501	Granted	PRINTHEAD HAVING PRINTHEAD MODULES VERTICALLY OFFSET AT JOIN REGION
893	USA	7164505	Granted	Printer Controller Integrated Circuit
894	USA	7165824	Granted	Edge Delta Runlength Expander Unit For Bi-Level Graphics
895	USA	7165834	Granted	DEAD NOZZLE COMPENSATION
896	USA	7168166	Granted	Printhead Module with Fixedly Attached Printhead Tiles
				Method of Producing Inkjet Printhead with Lithographically Formed Nozzle Plate

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	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

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	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

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	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

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	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 Printhead Assembly Incorporating An Ink Supply Arrangement
994	USA	7210762	Granted	And Printed Circuit Board Printhead With Drive Transistors And Corresponding Ink Ejection Actuators
995	USA	7210764	Granted	
996	USA	7210767	Granted	Inkjet Printhead Having a Thermal Actuator Coil Thermal Ink Jet Printhead with Bubble Nucleation Offset from Ink Supply
997	USA	7210768	Granted	
998	USA	7210866	Granted	Printer Having Adjustable Media Support
999	USA	7210867	Granted	Paper Thickness Sensor in a Printer Printhead Assembly Relatively Free from Environmental Effects
1000	USA	7213906	Granted	
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 PRINthead ASSEMBLY WITH POWER AND GROUND CONNECTIONS ALONG SINGLE EDGE
1004	USA	7216956	Granted	A Micro-Electromechanical Ink Ejection Mechanism That Incorporates Lever Actuation
1005	USA	7216957	Granted	
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 Method for Forming a Microelectromechanical Fluid Ejection Device
1012	USA	7219429	Granted	
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 Printing Oversize Dots in Images to Provide Printer Fault Tolerance
1018	USA	7222929	Granted	
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 PRINTER FOR DUPLEX PRINTING WITH MULTIPLE PRINthead MODULES
1022	USA	7222941	Granted	
1023	USA	7222943	Granted	Thin Nozzle Plate for Low Printhead Deformation Coupling for an Elongate Member Having Internal Passageways
1024	USA	7222947	Granted	
1025	USA	7224478	Granted	Printer Controller for a High Speed Printer
1026	USA	7225739	Granted	Drying System For Use In A Printing System

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	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	

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	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

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	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	

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	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
1130	USA	7275800	Granted	Printing Cartridge Having IC Device for Interfacing with 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
1134	USA	7278034	Granted	MECHANISM FOR REDUCING WRITE PROBLEMS BY CONTROLLING CHARGE PUMPS FOR FLASH MEMORYCONTROLLED BY THE PROCESSOR
1135	USA	7278697	Granted	DATA RATE SUPPLY PROPORTIONAL TO THE RATIO OF DIFFERENT PRINTHEAD LENGTHS
1136	USA	7278707	Granted	Alignment-Adjustable Modular Printhead Assembly
1137	USA	7278711	Granted	A Nozzle Arrangement Incorporating A Lever Based Ink Displacement Mechanism
1138	USA	7278712	Granted	A Nozzle Arrangement with an ink Ejecting Displaceable Roof 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
1141	USA	7278717	Granted	THERMAL INK JET PRINTHEAD WITH SUSPENDED BEAM HEATER
1142	USA	7278795	Granted	Modular Printhead Assembly With Opposed Sets of Serially 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
1147	USA	7281330	Granted	Method Of Manufacturing Left-Handed And Right Handed Printhead Modules
1148	USA	7281777	Granted	Printhead Module Having A Communication Input For Data And Control
1149	USA	7281782	Granted	THERMAL INK JET WITH THIN NOZZLE PLATE
1150	USA	7281786	Granted	Printing Cartridge With Two-Dimensional Encoding Formations
1151	USA	7283280	Granted	Ink Temperature Control for Multiprinthead Printer
1152	USA	7283281	Granted	Processor Circuitry For A Pagewidth Printhead
1153	USA	7284326	Granted	Method For Manufacturing A Micro-Electromechanical Nozzle Arrangement On A Substrate With An Integrated Drive Circuitry Layer
1154	USA	7284805	Granted	Edge Delta Runlength (EDRL) Data Stream Decoder For Bi-Level Graphics
1155	USA	7284816	Granted	Printer with Motor Driven Maintenance Station
1156	USA	7284817	Granted	Printer with a Self-Cleaning Inkjet Printhead Assembly
1157	USA	7284819	Granted	Inkjet Printer with Turret Mounted Capping/Purging Mechanism

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	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

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	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

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	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 CONNECTORS
1221	USA	7306321	Granted	Printhead Assembly With Ink Distribution Assembly
1222	USA	7306322	Granted	Printhead Assembly having Clamped Components
1223	USA	7306324	Granted	Inkjet Printer Having Ink Distribution To Fixedly Attached Printhead ICS
1224	USA	7306325	Granted	THERMAL INK JET PRINTHEAD WITH LOW HEATER MASS
1225	USA	7306326	Granted	System for Priming a Pagewidth Printhead Cartridge
1226	USA	7311381	Granted	System for Securing Integrated Circuits to a Pagewidth Printhead Assembly
1227	USA	7311382	Granted	INK REFILL CARTRIDGE WITH PRESSURE-LIMITING DEVICE
1228	USA	7311387	Granted	Printhead Module For Expelling Ink From Nozzles In Groups Alternately Starting At Outside Nozzles of Each Group
1229	USA	7314261	Granted	Inkjet Printhead Assembly with an Ink Distribution Molding
1230	USA	7314266	Granted	Inkjet Printhead Having Controlled Vertically Offset Printhead Modules
1231	USA	7322666	Granted	Inkjet Printer With Protector For A Printhead Capping Facility
1232	USA	7322669	Granted	Inkjet Printer with Replaceable Printhead Requiring Zero- Insertion-Force
1233	USA	7322671	Granted	Printhead Assembly with Combined Securing and Mounting Arrangement for Components
1234	USA	7322672	Granted	PRINTHEAD ASSEMBLY WITH HEAT SINK FOR DRIVE CIRCUITRY
1235	USA	7322673	Granted	Mounting for a Modular Printhead
1236	USA	7322675	Granted	Printhead Assembly with Electrical Connection Member for Interconnecting Print Engine Controllers
1237	USA	7322676	Granted	Printhead Assembly With Communications Module
1238	USA	7322677	Granted	An Inkjet Nozzle Arrangement With Thermal Bend Actuator Capable Of Differential Thermal Expansion
1239	USA	7322679	Granted	Printer Assembly and Nozzle Arrangement
1240	USA	7322680	Granted	PRINTHEAD WITH INK FEED TO CHAMBER VIA ADJACENT CHAMBER
1241	USA	7322681	Granted	Cover Assembly for a Cradle Unit Having an Ink Refilling Capabilities
1242	USA	7322684	Granted	Cover Assembly for a Cradle Unit Having an Ink Refilling Actuator Provided Therein
1243	USA	7322685	Granted	THERMAL INK JET WITH CHEMICAL VAPOR DEPOSITED NOZZLE PLATE
1244	USA	7322686	Granted	INKJET PRINTER HAVING ASSOCIATED PRINTHEAD, CONTROL AND MEMORY MODULES
1245	USA	7322757	Granted	SPOOL ADAPTED FOR GRIPPING A ROLL OF PRINT MEDIA
1246	USA	7322761	Granted	Printing Cartridge With Pressure Sensor Array identification
1247	USA	7325897	Granted	An Ink Jet Nozzle Arrangement Incorporating Mechanically Coupled Bend Actuator Arms
1248	USA	7325901	Granted	

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	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	QUALITY ASSURANCE IC HAVING CLOCK TRIMMER
1254	USA	7328115	Granted	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	Inkjet Printer With Simplex Printhead And Capping/Purging Mechanism
1258	USA	7328968	Granted	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	Inkjet Printhead With Thermal Bend Arm Exposed To Ink Flow
1262	USA	7328975	Granted	Hydrophobically Coated Printhead
1263	USA	7328976	Granted	INKJET PRINthead WITH MICRO-ELECTROMECHANICAL FLUID EJECTION DEVICES HAVING INTEGRATED MOVEMENT SENSORS
1264	USA	7328977	Granted	Printhead Heaters with Short Pulse Time
1265	USA	7328978	Granted	Ink Refill with Ink Level Indicator
1266	USA	7328984	Granted	Inkjet printer cartridge refill dispenser with security mechanism
1267	USA	7328985	Granted	PRINT ENGINE ASSEMBLY WITH SLOTTED CHASSIS
1268	USA	7328994	Granted	Ink Jet Printer with a Belt-Loading Mechanism
1269	USA	7329061	Granted	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	Inkjet Printhead Having Isolated Nozzles
1272	USA	7331651	Granted	Modular Printhead Assembly Incorporating A Capping Device
1273	USA	7331653	Granted	Baffled Ink Supply for Reducing Ink Accelerations
1274	USA	7331659	Granted	Cradle Unit Having a Cover Assembly with Ink Refill Port
1275	USA	7331660	Granted	Ink Refill Unit for Docking with an Ink Cartridge
1276	USA	7331661	Granted	Replaceable Pagewidth Printhead Cartridge
1277	USA	7331663	Granted	Printer Controller For Controlling Operation Of A Pagewidth Printhead
1278	USA	7333235	Granted	Inkjet Printer with arcuately moveable Duplex Print Head Assembly and Capping System
1279	USA	7334864	Granted	

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	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

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	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 Inkjet Printhead with Electrical Disconnection of Printhead
1319	USA	7380910	Granted	Prior to Removal
1320	USA	7380912	Granted	Inkjet Printer Having Stably Mounted Printhead INK JET PRINTER NOZZLE ASSEMBLY WITH MICRO- ELECTROMECHANICAL PADDLES
1321	USA	7380913	Granted	Printhead Assembly with an Elongate Ink Delivery Member
1322	USA	7380924	Granted	Printer With A Driven Print Media Carriage
1323	USA	7380929	Granted	Printer With A Driven Print Media Carriage
1324	USA	7381340	Granted	Ink jet printhead that incorporates an etch stop layer A Method for Manufacturing an Inkjet Nozzle that Incorporates Heater Actuator Arms
1325	USA	7381342	Granted	Incorporates Heater Actuator Arms
1326	USA	7382488	Granted	Printer Configured To Count Printed Drops PRINthead MAINTENANCE STATION CONFIGURED FOR AIR BLAST CLEANING OF PRINthead
1327	USA	7384119	Granted	BLAST CLEANING OF PRINthead
1328	USA	7384127	Granted	Inkjet Printhead Assembly For Gapless Printing PRINthead IC WITH NOZZLE ARRAY FOR LINKING WITH ADJACENT PRINthead IC'S
1329	USA	7384128	Granted	ADJACENT PRINthead IC'S
1330	USA	7384131	Granted	PAGEWIDTH PRINthead HAVING SMALL PRINT ZONE Ink Cartridge With Collapsible Ink Containers For An Inkjet Printer
1331	USA	7384134	Granted	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	BLAST CLEANING
1336	USA	7387364	Granted	An Inkjet Nozzle Arrangement With Ink Flow Control Ink Jet Nozzle Arrangement with Static and Dynamic Structures
1337	USA	7387365	Granted	Structures
1338	USA	7387368	Granted	Nozzle For An Inkjet Printer Incorporating A Plunger Assembly Pagewidth Printhead having Sealed Inkjet Actuators Method For Providing Low volume drop displacement In An Inkjet Printhead
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

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	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	

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	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

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	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

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	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	

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	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

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	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 PRINTING SYSTEM HAVING POWER STORAGE PRINthead
1500	USA	7461910	Granted	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

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	Country	Official No.	Case Status	Title
1518	USA	7465010	Granted	Temperature Induced Misalignments NOZZLE ARRANGEMENT WITH A THERMAL ACTUATOR INCORPORATING HEAT SINKS Thermal Bend Actuator Arrangement with a Diagnostic Sensor
1519	USA	7465011	Granted	
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 PRINthead PEAK POWER REQUIREMENT
1525	USA	7465017	Granted	Inkjet Printhead Incorporating Staggered Rows Of Nozzle Arrangements PRINthead CARTRIDGE INTERFACE HAVING POWER STORAGE
1526	USA	7465019	Granted	
1527	USA	7465020	Granted	A Inkjet Nozzle Assembly Incorporating Actuator Mechanisms Arranged To Effect Rectilinear Movement Of A Working Member Micro-Electromechanical Ink Ejection Mechanism With Electro-Magnetic Actuation
1528	USA	7465022	Granted	
1529	USA	7465023	Granted	
1530	USA	7465024	Granted	Inkjet Nozzle Assembly Incorporating s Fluidic Seal Nozzle Arrangement with Nozzle having Dynamic and Static Ink Ejection Structures
1531	USA	7465025	Granted	Nozzle Arrangement With Thermally Operated Ink Ejection Piston Nozzle Arrangement For A Printhead Integrated Circuit Incorporating A Lever Mechanism
1532	USA	7465026	Granted	Nozzle Assembly Having A Thermal Actuator With Active And Passive Beams Radially Actuated Micro-Electromechanical Nozzle Arrangement
1533	USA	7465027	Granted	
1534	USA	7465028	Granted	Nozzle Arrangement With A Magnetic Field Generator
1535	USA	7465029	Granted	
1536	USA	7465030	Granted	PRINthead WITH INLET FILTER FOR INK CHAMBER
1537	USA	7465032	Granted	SELF-REFERENCING PRINthead ASSEMBLY
1538	USA	7465033	Granted	THERMAL INK JET PRINthead WITH CAVITATION GAP Thermal Ink Jet Printhead with Drive Circuitry on Opposing Sides of Chamber
1539	USA	7465034	Granted	
1540	USA	7465035	Granted	Thermal Ink Jet Printhead with Bubble Nucleation Laterally Offset from Nozzle
1541	USA	7465036	Granted	
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 CARTRIDGE AND PRINTER BODY
1545	USA	7465045	Granted	
1546	USA	7465047	Granted	Mobile telecommunication device with a printhead and media sheet position sensor

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	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 Controller 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

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	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 Structures Arrayed On A Substrate
1579	USA	7470003	Granted	Nozzle Arrangement With A Movement Sensor For An Inkjet Printer
1580	USA	7470005	Granted	Inkjet Printer with Cartridge Cradle having Interfaces for Refill Units
1581	USA	7470006	Granted	Method of Refilling a High Speed Print Engine
1582	USA	7470007	Granted	INKJET PRINthead WITH MULTIPLE INK INLET FLOW PATHS
1583	USA	7470010	Granted	Print Media and Printing Fluid Cartridge of Digital Photofinishing System
1584	USA	7470014	Granted	Mobile telecommunications device with a caper movable between capping and uncapping positions by the printhead
1585	USA	7470019	Granted	Print Media And Printing Fluid Cartridge For Digital Photofinishing System
1586	USA	7470020	Granted	Web Printer With Straight Print Media Path
1587	USA	7470074	Granted	Method for Injecting Ink from a Printhead in a Predetermined Pattern
1588	USA	7471413	Granted	Printer Controller For Nozzle Displacement Correction
1589	USA	7472978	Granted	PRINthead ASSEMBLY FOR MAINTAINING A PRINthead IN AN OPERABLE CONDITION
1590	USA	7472981	Granted	Inkjet Chamber With Plurality Of Nozzles
1591	USA	7472984	Granted	Print media loading mechanism having displaceable endless belts.
1592	USA	7472989	Granted	EASY ASSEMBLY PAGEWIDTH PRINthead CAPPING ARRANGEMENT
1593	USA	7475961	Granted	PRINTING CARTRIDGE HAVING COMMONLY MOUNTED PRINthead AND CAPPER
1594	USA	7475963	Granted	Inkjet Printer With Low Droplet To Chamber Volume Ratio
1595	USA	7475965	Granted	PRINthead WITH ELONGATE ARRAY OF NOZZLES AND DISTRIBUTED PULSE DAMPERS
1596	USA	7475976	Granted	Ink Jet Printhead Integrated Circuit With Surface-Processed Thermal Actuators
1597	USA	7481518	Granted	Method suitable for etching hydrophilic trenches in a substrate
1598	USA	7481943	Granted	Printhead Module Having Horizontally Grouped Firing Order
1599	USA	7484831	Granted	INKJET PRINthead HAVING REVERSE INK FLOW PREVENTION
1600	USA	7484832	Granted	Transfer Roller Assembly For A Compact Printer
1601	USA	7484840	Granted	Mobile Web Printer
1602	USA	7484841	Granted	Monolithic inkjet printhead with high nozzle count
1603	USA	7488051	Granted	Cradle Unit Having an Electromagnetic Capper Actuation System
1604	USA	7488052	Granted	Refill Unit for Simultaneously Engaging with and Opening Inlet Valve to, an Ink Cartridge
1605	USA	7490927	Granted	

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	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 METHOD OF REMOVING PARTICULATES FROM A PRINTHEAD
1609	USA	7506952	Granted	USING FILM TRANSFER
1610	USA	7506958	Granted	PRINTHEAD MAINTENANCE STATION Printer with Serially Arranged Printhead Modules for Wide
1611	USA	7506961	Granted	Format Printing
1612	USA	7506963	Granted	InkJet Printhead with planar heater parallel to nozzle
1613	USA	7506964	Granted	Inkjet Nozzle Arrangement having Ink Passivation Inkjet Printhead Integrated Circuit With Work Transmitting
1614	USA	7506965	Granted	Structures Inkjet Printhead Integrated Circuit Having Nozzle Assemblies
1615	USA	7506968	Granted	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 PRINTHEAD ASSEMBLY COMPRISING INK RESERVOIR
1618	USA	7510261	Granted	CONTAINING CLEANING LIQUID Inkjet Printer with Arcuately Moveable Simplex Printhead and
1619	USA	7510264	Granted	Capping/Purging Mechanism
1620	USA	7510267	Granted	REDUCED STICTION PRINTHEAD SURFACE PRINTHEAD ASSEMBLY WITH INTEGRATED CIRCUIT
1621	USA	7510268	Granted	OPTIMISED FOR ADHESIVE BONDING Thermal Ink Jet Printhead with Heater Element Having Non-
1622	USA	7510269	Granted	Uniform Resistance
1623	USA	7510270	Granted	Thermal Ink Jet Printhead with Wide Heater Element Inkjet Printer Assembly Having Controller Responsive To
1624	USA	7513593	Granted	Cartridge Performance
1625	USA	7513598	Granted	Inkjet printer cradle with integrated reader circuit
1626	USA	7513603	Granted	PRINTHEAD ASSEMBLY WITH INK INLET VALVE Nozzle Arrangement for an Inkjet Printhead with Static and
1627	USA	7513604	Granted	Active Ink Ejection Structures
1628	USA	7513607	Granted	Inkjet Nozzle Arrangement With Annular Heater Element Cover Assembly For A Print Engine With Push Rod For
1629	USA	7513610	Granted	Actuating A Refill Unit Inkjet Printer Unit Utilizing Image Reading Unit for Printed
1630	USA	7513615	Granted	Media Collection Printhead Module Capable Of Printing A Maximium Of N
1631	USA	7517036	Granted	Channels Of Print Data Method for Controlling Nozzle Firing in Overlapped Printhead
1632	USA	7517037	Granted	Segments Mobile telecommunications device with printhead capper
1633	USA	7517046	Granted	that is held in uncapped position by media
1634	USA	7517049	Granted	Printhead Assembly having Printhead Module and Controller Printer Cradle having Shock Absorption for Removable Print
1635	USA	7517050	Granted	Cartridge

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	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

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	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

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	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

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	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

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	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	Double-Sided Printer Having Opposed Print Engines
1762	USA	7566123	Granted	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	An Image Processing Method Incorporating Decompression
1765	USA	7567363	Granted	Printhead Assembly having Selected Drive Electronics
1766	USA	7568786	Granted	PRINthead INCLUDING SEAL MEMBRANE
1767	USA	7568787	Granted	PRINthead WITH BARRIER AT CHAMBER INLET
1768	USA	7568788	Granted	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	Wide-Format Printer With A Pagewidth Printhead Assembly
1775	USA	7571983	Granted	VARIABLE-VOLUME NOZZLE ARRANGEMENT
1776	USA	7571988	Granted	Platen For A Print On Demand Digital Device
1777	USA	7572000	Granted	A TEMPERATURE BASED FILTER FOR AN ON-CHIP SYSTEM CLOCK
1778	USA	7573301	Granted	BINDING PRINTER HAVING STRAIGHT MEDIA PATH
1779	USA	7575151	Granted	METHOD OF UNBLOCKING NOZZLES IN A PRINthead
1780	USA	7575297	Granted	INKJET PRINthead WITH INK SUPPLY PASSAGE TO NOZZLE ETCHED FROM OPPOSING SIDES OF WAFER
1781	USA	7575298	Granted	Printing Cartridge Bearing Indicia
1782	USA	7575313	Granted	Media Web Cartridge Removably Mountable To Printing System
1783	USA	7575316	Granted	Tote for Wallpaper Roll having Foldable Handle
1784	USA	7578387	Granted	PRINthead WITH VARIABLE NOZZLE FIRING SEQUENCE
1785	USA	7578569	Granted	Inkjet Nozzle Chamber Holding Two Fluids
1786	USA	7578582	Granted	Wallpaper Printer With Cutter And Dryer Modules
1787	USA	7581495	Granted	METHOD OF REMOVING PARTICULATES FROM A PRINthead
1788	USA	7581812	Granted	

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	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

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	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

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	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

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	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	

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	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	

	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

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	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
				Modular Printhead Assembly with Reservoir Mounted
1981	USA	7677698	Granted	Printhead Modules
1982	USA	7677699	Granted	Air Expulsion Arrangement For Printhead Assembly
				Inkjet Printhead Comprising Bonded Heater Element And
1983	USA	7677702	Granted	Dielectric Layer With Low Thermal Product
1984	USA	7677703	Granted	Thermal Inkjet with Multiple Drop Volumes per Nozzle
1985	USA	7677704	Granted	Printhead Unit Cell Having Welled Heater Element
				PRINTER HAVING DISENGAGEABLY GEAR DRIVEN MEDIA
1986	USA	7681876	Granted	PICK-UP ROLLER
				Ink Refill Unit Having Control Information Stored Thereon to
1987	USA	7681967	Granted	Control the Refilling Process
1988	USA	7681970	Granted	SELF INITIALISING PRINthead IC
1989	USA	7685423	Granted	Validation Protocol and System
1990	USA	7685424	Granted	Validating Untrusted Objects and Entities
				Print Engine Assembly Having A Rotatable Platen Providing
1991	USA	7686416	Granted	Different Functional Operations
				METHOD OF MAINTAINING A PRINthead USING A ROLLER
1992	USA	7686419	Granted	ACTION
				PRINthead ASSEMBLY WITH SYMMETRICAL TRI-LAYER
1993	USA	7686425	Granted	OUTER SHELL LAMINATE
				Nozzle Arrangement For An Inkjet Printer Configured To
1994	USA	7686427	Granted	Minimize Thermal Losses
				THERMAL INK JET PRINthead WITH LOW RESISTANCE
1995	USA	7686429	Granted	ELECTRODES FOR HEATERS
				PRINTER SYSTEM HAVING WIDE HEATER ELEMENTS IN
1996	USA	7686430	Granted	PRINthead
				Cradle Unit For Receiving A Print Cartridge To Form A Print
1997	USA	7686437	Granted	Engine
				Print Engine Cartridge Incorporating A Post Mounted
1998	USA	7686439	Granted	Maintenance Assembly
1999	USA	7686440	Granted	Ink Storage Module With A Valve Insert To Facilitate Refilling

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	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
2004	USA	7690764	Granted	CRADLE MEMBER
2005	USA	7692815	Granted	Modular Printhead With Consecutive Printhead Modules
2006	USA	7695091	Granted	Display Device Configured Such That An Edge Of Print Media Is Visible Above An Upper Edge Of The Device
2007	USA	7695092	Granted	Test Circuitry For A Printhead Nozzle Arrangement
2008	USA	7695093	Granted	Nozzle Device With Movement Sensor
2009	USA	7695097	Granted	METHOD OF REMOVING FLOODED INK FROM A PRINthead USING A DISPOSABLE SHEET
2010	USA	7695098	Granted	PRINthead MAINTENANCE STATION HAVING ROLLER PAD
2011	USA	7695106	Granted	PRINthead MAINTENANCE SYSTEM COMPRISING DISPOSABLE SHEET FEED
2012	USA	7695108	Granted	Thin Nozzle Layer Printhead
2013	USA	7695109	Granted	FLUID-EJECTING INTEGRATED CIRCUIT UTILIZING ELECTROMAGNETIC DISPLACEMENT
2014	USA	7695121	Granted	Printhead Having Laminated Ejection Fluid Distributors
2015	USA	7695123	Granted	Method Of Refilling A Printing Unit
2016	USA	7695125	Granted	INK SUPPLY SYSTEM WITH ACTIVE PRESSURE CONTROL
2017	USA	7695204	Granted	Reservoir Assembly For A Pagewidth Printhead Cartridge
2018	USA	7699433	Granted	WIDE FORMAT PRINTER HAVING ALTERNATIVE PRINT ZONE ARRANGEMENT
2019	USA	7699440	Granted	METHOD OF MAINTAINING A PRINthead USING A MAINTENANCE ROLLER AND INK REMOVAL SYSTEM
2020	USA	7699446	Granted	MOUNTED ON A CHASSIS
2021	USA	7699447	Granted	INKJET PRINthead WITH HEATER ELEMENT CLOSE TO DRIVE CIRCUITS
2022	USA	7699448	Granted	INK REFILL UNIT WITH INCREMENTAL MILLILITRE INK EJECTION FOR PRINT CARTRIDGE
2023	USA	7702926	Granted	INK REFILL UNIT WITH CONTROLLED INCREMENTAL INK EJECTION FOR PRINT CARTRIDGE
2024	USA	7703875	Granted	INK REFILL UNIT WITH THREADED INCREMENTAL INK EJECTION FOR PRINT CARTRIDGE
2025	USA	7703882	Granted	Decoy Device In An Integrated Circuit
2026	USA	7703884	Granted	PRINTING NOZZLE ARRANGEMENT HAVING MOVEMENT SENSOR
2027	USA	7703885	Granted	METHOD OF PURGING USING PURGING INK AND PRINTING USING PRINTING INK FROM AN INKJET PRINthead
2028	USA	7703886	Granted	PRINthead ASSEMBLY WITH SUPPORT PERMITTING FASTENING OF PCB EXTERNAL THERETO
				CRADLE UNIT WHICH ELECTROMAGNETICALLY OPERATES PRINthead CAPPER
				Printhead Assembly With Pagewidth Ink And Data

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	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

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	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	

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	Country	Official No.	Case Status	Title
2088	USA	7731334	Granted	Inkjet Nozzle Utilizing Electrostatic Attraction Between Parallel Plates
2089	USA	7731336	Granted	INKJET NOZZLE ARRANGEMENT
2090	USA	7733535	Granted	METHOD AND APPARATUS FOR IMAGE MANIPULATION VIA A DITHER MATRIX
2091	USA	7735944	Granted	Printer Comprising Two Printhead Modules And At Least Two Printer Controllers
2092	USA	7735948	Granted	Printhead Having Grouped Nozzle Firing
2093	USA	7735955	Granted	METHOD OF ASSEMBLING PRINTHEAD CAPPING MECHANISM
2094	USA	7735963	Granted	Printhead Incorporating Rows Of Ink Ejection Nozzles
2095	USA	7735966	Granted	Liquid-Ejection Integrated Circuit Device Having Nozzle Shield
2096	USA	7735968	Granted	Inkjet Printhead Nozzle Arrangement With Actuator Arm Slot Protection Barrier
2097	USA	7735969	Granted	Inkjet Printer Utilizing Low Energy Titanium Nitride Heater Elements
2098	USA	7735970	Granted	THERMAL BEND ACTUATOR COMPRISING PASSIVE ELEMENT HAVING NEGATIVE THERMAL EXPANSION
2099	USA	7735971	Granted	Printhead with elongate nozzles
2100	USA	7735972	Granted	METHOD OF DROP EJECTION USING WIDE HEATER ELEMENTS IN PRINTHEAD
2101	USA	7735982	Granted	Digital Photofinishing System Cartridge
2102	USA	7735986	Granted	Ink Storage Module
2103	USA	7735994	Granted	Wall Mountable Printer With Removable Cartridge
2104	USA	7736458	Granted	Method of Attaching Fluidic MST Devices to a Support Member
2105	USA	7740334	Granted	Printer System Having Controller With Correction For Nozzle Displacement
2106	USA	7740337	Granted	PAGEWIDTH INKJET PRINTHEAD INCORPORATING POWER PROTUBERANCES
2107	USA	7740338	Granted	AND DATA TRANSMISSION FILM POSITIONING
2108	USA	7740340	Granted	PRINTEAD 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
				LOW LOSS ELECTRODE CONNECTION FOR INKJET PRINTHEAD

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	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

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	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

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	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	
2185	USA	7771008	Granted	Printhead Maintenance Assembly For An Inkjet Printer Thermally Stable Pagewidth Printhead Assembly Incorporating A Laminated Structure
2186	USA	7771013	Granted	PRINthead ASSEMBLY HAVING AN INK SUPPLY ARRANGEMENT AND A PLURALITY OF PRINthead SEGMENT CARRIERS
2187	USA	7771014	Granted	Printhead Nozzle Arrangement Having A Looped Heater Element
2188	USA	7771015	Granted	Nozzle Arrangement For An Inkjet Printhead Incorporating A Protective Structure
2189	USA	7771017	Granted	
2190	USA	7771018	Granted	Ink Ejection Nozzle Arrangement for an Inkjet Printer
2191	USA	7771019	Granted	Stackable Printer Module For Effecting Double-Sided Printing
2192	USA	7771023	Granted	Method Of Ejecting Drops Of Fluid From An Inkjet Printhead Printhead Assembly With A Thermosetting Adhesive Film For Attaching Printhead Integrated Circuitry
2193	USA	7771024	Granted	Inkjet Printhead Having Plural Nozzle Arrangements Grouped In Pods
2194	USA	7771025	Granted	
2195	USA	7771027	Granted	Self-Cooling High Nozzle Density Ink Jet Nozzle Arrangement INK SUPPLY SYSTEM COMPRISING PRESSURE DEVICE AND IN- LINE VALVE
2196	USA	7771028	Granted	
2197	USA	7771029	Granted	PRINTER WITH ACTIVE FLUIDIC ARCHITECTURE Ink Refill Unit With A Mechanical Tank Compression Arrangement
2198	USA	7771031	Granted	Printer Assembly With A Controller For Maintaining A Printhead At An Equilibrium Temperature
2199	USA	7771032	Granted	
2200	USA	7771034	Granted	Fluidic Arrangement With A Sump For A Printer
2201	USA	7771035	Granted	Reservoir Assembly For A Pagewidth Printhead Cartridge Printhead Having Controllers For Multi-Channel Printhead Modules
2202	USA	7775616	Granted	
2203	USA	7775625	Granted	Printer Having Capper For Duplexed Printheads
2204	USA	7775627	Granted	INKJET PRINTER ASSEMBLY
2205	USA	7775630	Granted	PRINthead INTEGRATED CIRCUIT WITH HIGH DROPLET

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	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

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	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

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	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

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	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

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	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	

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	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	
2389	USA	7862148	Granted	METHOD OF PRIMING PICOLITRE INKJET PRINthead
2390	USA	7862151	Granted	PRINthead WITH DROPLET REDIRECTING NOZZLE GUARD 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	
2400	USA	7866797	Granted	Inkjet Printhead Integrated Circuit
2401	USA	7874556	Granted	Printer With Reversible Air Flow Sheet Picker
2402	USA	7874631	Granted	Printhead Integrated Circuit With Open Actuator Test
2403	USA	7874633	Granted	Printhead IC With Non-Ejection Maintenance PAGEWIDTH PRINthead ASSEMBLY HAVING AIR CHANNELS FOR PURGING UNNECESSARY INK
2404	USA	7874637	Granted	
2405	USA	7874638	Granted	Printhead Assembly With Channelled Printhead Modules Inkjet Printhead Employing Nozzle Paddle Ink Ejecting Actuator
2406	USA	7874640	Granted	
2407	USA	7874641	Granted	Modular Printhead Assembly
2408	USA	7874643	Granted	Printhead Assembly With Parallel Power Input
2409	USA	7874644	Granted	Inkjet Printhead With Shared Ink Spread Restriction Walls
2410	USA	7874645	Granted	Modular Printhead Assembly With Serially Mounted

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	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 PAGERWIDTH 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
			Granted	Printer Cradle For Receiving An Ink Cartridge With A Gear

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	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

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	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

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	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
2511	USA	7915091	Granted	PRINthead SYSTEM FOR MODULATING PRINthead PEAK POWER REQUIREMENT USING REDUNDANT NOZZLES
2512	USA	7917168	Granted	PRINthead INTEGRATED CIRCUIT HAVING SENSING AND TEST CIRCUITRY
2513	USA	7918522	Granted	Nozzle Arrangement With Sealing Structure And Thermal Actuator
2514	USA	7918524	Granted	Printhead With Printhead Module Locator
2515	USA	7918525	Granted	Printhead Having Interconnected And Sealed Modules
2516	USA	7918533	Granted	Inkjet Printhead Integrated Circuit Comprising A Multilayered Substrate
2517	USA	7918535	Granted	Microelectromechanical ink jet printhead with printhead temperature feedback
2518	USA	7918537	Granted	Micro-Electromechanical Integrated Circuit Device With Laminated Actuators
2519	USA	7918540	Granted	INK SUPPLY ARRANGEMENT FOR INKJET PRINthead HAVING LARGE NOZZLE NUMBER
2520	USA	7918541	Granted	CORRUGATED THERMAL ACTUATOR
2521	USA	7918546	Granted	PRINthead MAINTENANCE FACILITY WITH INK STORAGE AND DRIVEN VACUUM DRAINAGE COUPLING
2522	USA	7921645	Granted	Printhead Capping Mechanism Having Multiple Gear Assemblies and Method of Assembling Same
2523	USA	7922279	Granted	Method Of Cleaning A Printhead Using Liquid Foam
2524	USA	7922283	Granted	PRINthead ASSEMBLY HAVING PRINthead INTEGRATED CIRCUIT CARRIERS ARRANGED END-TO-END ON INK SUPPLY SUPPORT STRUCTURE
2525	USA	7922285	Granted	
2526	USA	7922290	Granted	

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	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	

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	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

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	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	

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	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

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	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

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	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

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

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	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 SYSTEM FOR PIVOTED CONNECTION OF CRADLE UNIT AND PRINthead CARTRIDGE
2769	USA	8025204	Granted	
2770	USA	8025350	Granted	
2771	USA	8025355	Granted	
2772	USA	8025364	Granted	
2773	USA	8025365	Granted	Mems Integrated Circuit With Polymerized Siloxane Layer

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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
3038	USA	12895863	Pending	METHOD OF CONTROLLING DROP DIRECTIONALITY FROM INKJET NOZZLE USING MULTIPLE INDEPENDENTLY-ACTUABLE ROOF PADDLES
3039	USA	12895864	Pending	METHOD OF COMPENSATING FOR DEAD NOZZLES IN STATIONARY PAGEWIDTH PRINthead
3040	USA	12895865	Pending	METHOD OF PRINTING AT DOT DENSITY EXCEEDING NOZZLE DENSITY IN STATIONARY PAGEWIDTH PRINthead
3041	USA	12895866	Pending	INKJET PRINthead HAVING COMMON CONDUCTIVE TRACK ON NOZZLE PLATE
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	PRINthead ASSEMBLY WITH MINIMAL LEAKAGE
3046	USA	12973307	Pending	THERMAL BEND ACTUATOR WITH CONDUCTION PAD AT BEND REGION
3047	USA	13017940	Pending	Fluid Distribution System for Pressure Control at Printhead
3048	USA	13107961	Pending	METHOD OF CONTROLLING FLUID PRESSURE AT PRINthead
3049	USA	13107963	Pending	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	INK CONTAINER HAVING FLOAT ACTUATED VALVE
3053	USA	13107968	Pending	FLUID DISTRIBUTION SYSTEM HAVING VALVED FLUID CONTAINER
3054	USA	13107970	Pending	SYSTEM FOR DISTRIBUTING FLUID AND GAS WITHIN PRINTER
3055	USA	13107971	Pending	INK DISTRIBUTION SYSTEM HAVING GAS VENTING
3056	USA	13107972	Pending	FLUID CONTAINER HAVING THREE FLUID PORTS
3057	USA	13107975	Pending	FLUID CONTAINER WITH INTERNAL FILTRATION
3058	USA	13107976	Pending	MAINTENANCE SYSTEM HAVING CLEANABLE WIPER FOR PRINthead
3059	USA	13107977	Pending	SEPTUM ASSEMBLY FOR FLUID CONTAINER
3060	USA	13107978	Pending	FLUID DISTRIBUTION SYSTEM HAVING FILTERED INK CONTAINER
3061	USA	13107979	Pending	SYSTEM FOR REDUCING INK COLOR MIXING EFFECTS IN PRINTER
3062	USA	13107980	Pending	MAINTENANCE APPARATUS HAVING CLEANER FOR
3063	USA	13107981	Pending	

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	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

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	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
3107	USA	13108802	Pending	METHOD OF MAINTAINING PRINthead WITH MODULAR SLED
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
3112	USA	13108814	Pending	PRINTING SYSTEM HAVING VALVED INK AND GAS DISTRIBUTION FOR PRINthead
3113	USA	13108815	Pending	APPARATUS FOR ASSISTING PRINTING HAVING PROXIMAL WICK
3114	USA	13108816	Pending	MAINTENANCE APPARATUS HAVING ROTATABLE WIPER FOR PRINthead
3115	USA	13108818	Pending	LIQUID CONTAINER WITH CAPACITY STATE SENSING
3116	USA	13108823	Pending	APPARATUS FOR ASSISTING PRINTING HAVING OFFSET WICK
3117	USA	13108825	Pending	MAINTENANCE SYSTEM HAVING TRANSLATABLE AND ROTATABLE WIPER FOR PRINthead
3118	USA	13108827	Pending	SYSTEM FOR SENSING CAPACITY STATE OF LIQUID CONTAINER
3119	USA	13108830	Pending	LIQUID CONTAINER WITH PASSIVE CAPACITY STATE SENSING
3120	USA	13108832	Pending	SYSTEM FOR SHAPING MEDIA AT PRINthead
3121	USA	13108834	Pending	METHOD OF WIPING PRINthead WITH TRANSLATABLE AND ROTATABLE WIPER
3122	USA	13108839	Pending	METHOD OF MAINTAINING PRINthead
3123	USA	13108840	Pending	PRINthead COUPLING FOR FLUID DISTRIBUTION
3124	USA	13108841	Pending	MAINTENANCE APPARATUS HAVING ROTATABLE PRINthead WIPER WITH SCRAPER
3125	USA	13108842	Pending	METHOD OF ASSEMBLING PRINthead FLUID DISTRIBUTION COUPLING
3126	USA	13108845	Pending	MAINTENANCE APPARATUS HAVING MULTIPLE FLUID ABSORBERS FOR PRINthead

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	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	

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	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	Multiple Monochromatic Print Cartridge Printing System
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	DUPLEX PRINTER WITH INTERNAL HARD DRIVE
3165	USA	13284938	Pending	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	NOZZLE ARRANGEMENT FOR PRINthead
3172	USA	13295904	Pending	PRINthead ASSEMBLY INCORPORATING INK DISTRIBUTION ASSEMBLY
3173	USA	13296015	Pending	EJECTION NOZZLE ARRANGEMENT HAVING DYNAMIC STRUCTURE
3174	USA	13296042	Pending	PRINTER HAVING PRINthead PURGING MEMBERS
3175	USA	13296080	Pending	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	

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

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	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	

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	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

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	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

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	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

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	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

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