PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3192709

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
JPMORGAN CHASE BANK, N.A.	12/04/2006

RECEIVING PARTY DATA

Name:	XEROX CORPORATION
Street Address:	100 CLINTON AVENUE SOUTH
Internal Address:	XRX2-20A
City:	ROCHESTER
State/Country:	NEW YORK
Postal Code:	14644

PROPERTY NUMBERS Total: 19

Property Type	Number
Patent Number:	6438273
Patent Number:	6594406
Patent Number:	6416678
Patent Number:	6429950
Patent Number:	6411401
Patent Number:	7174083
Patent Number:	6643032
Patent Number:	6591020
Patent Number:	6442300
Patent Number:	6504621
Patent Number:	6744531
Patent Number:	6771827
Patent Number:	6952803
Patent Number:	6591060
Patent Number:	6505832
Patent Number:	6816528
Patent Number:	6570555
Patent Number:	6687876
Patent Number:	6529215

PATENT REEL: 034794 FRAME: 0413

503146097

CORRESPONDENCE DATA

Fax Number: (585)423-6059

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (585)423-5764

Email: cathy.whitney@xerox.com

Correspondent Name: CATHY WHITNEY

Address Line 1: 100 CLINTON AVENUE SOUTH

Address Line 2: XRX2-20A

Address Line 4: ROCHESTER, NEW YORK 14644

ATTORNEY DOCKET NUMBER:	LIEN RELEASE
NAME OF SUBMITTER:	CATHY WHITNEY
SIGNATURE:	/Cathy Whitney/
DATE SIGNED:	01/22/2015

Total Attachments: 13

source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page1.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page2.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page3.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page5.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page5.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page6.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page7.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page8.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page9.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page9.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page10.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page11.tif source=6438273 6594406 6416678 6429950 6411401 7174083 6643032 6591020 6442300#page13.tif

RELEASE OF LIEN IN PATENTS

This RELEASE OF LIEN IN PATENTS, dated as of this 4 day of December, 2006, is made by JPMORGAN CHASE BANK, N.A., a New York banking corporation located at 270 Park Avenue, 4th Floor, New York, New York 10017, as Administrative Agent, Collateral Agent and LC Issuing Bank ("Assignor") is in favor of XEROX CORPORATION, a New York corporation, located at 800 Long Ridge Road, P.O. Box 1600 Stanford Ct. 06904 ("Assignee"). Capitalized terms as used in this RELEASE OF LIEN IN PATENTS, but not defined, herein have the meanings set forth in the Security Agreement (as defined below).

WHEREAS, Assignee, the Overseas Borrowers, the Lenders, Assignor, DEUTSCHE BANK SECURITIES INC., as Syndication Agent and CITICORP NORTH AMERICA, INC., MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED and UBS SECURITIES LLC, as Co-Documentation Agents, are parties to a Credit Agreement, dated as of June 19, 2003 (as amended from time to time, the "Credit Agreement"); and

WHEREAS, Assignee secured certain of its obligations (the "Secured Obligations") by granting to the Assignor for the benefit of the Secured Parties, a continuing security interest in and to personal property of the Assignee, including all right, title, and interest of the Assignee in and to the Patent Collateral (as defined below) pursuant to (i) a Guarantee and Security Agreement dated as of June 25, 2003 (as amended and/or supplemented from time to time, the "Security Agreement") among Assignor, and the Subsidiary Guarantors party thereto and (ii) certain other Security Documents (as defined in the Credit Agreement) to which Assignor and Assignee are party, including:

- a Patent Security Agreement, dated as of June 25, 2003 and recorded in the U.S. Patent and Trademark Office on October 31, 2003 at Reel 15134/Frame 476;
- a Patent Security Agreement, dated as of June 25, 2003 and recorded in the U.S. Patent and Trademark Office on August 31, 2004 at Reel 15722/Frame 119; and
- a Patent Security Agreement, dated as of June 25, 2003 and recorded in the U.S. Patent and Trademark Office on June 30, 2005 at Reel 16761/Frame 158

(collectively, the "Patent Security Agreement"); and

WHEREAS, the Secured Obligations have been paid and performed in full, and the requirements of the Credit Agreement for discharge of the liens in the Patent Collateral have been satisfied.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby releases its continuing security interest in and to all of the Assignee's right, title and interest in, to,

PATENT 9:30 AM REEL: 034794 FRAME: 0415 and under the following (all of the following items or types of property being herein collectively referred to as the "Patent Collateral"):

- (i) each Patent owned by the Assignee, including, without limitation, each Patent referred to in <u>Schedule 1</u> hereto;
 - (ii) each Patent License to which the Assignee is a party; and
- (iii) all proceeds of and revenues from the foregoing, including, without limitation, all proceeds of and revenues from any claim by the Assignee against third parties for past, present or future infringement of any Patent owned by the Assignee (including, without limitation, any Patent identified in <u>Schedule 1</u> hereto).

The Assignee hereby revokes and cancels any and all appointments of Assignor as its attorney-in-fact, made pursuant to the Security Agreements, Patent Security Agreement and/or other Security Documents.

This RELEASE OF LIEN IN PATENTS shall be construed in accordance with and governed by the laws of the State of New York, except as otherwise required by mandatory provisions of law.

IN WITNESS WHEREOF, the Assignor has caused this RELEASE OF LIEN IN PATENTS to be duly executed by its officer thereunto duly authorized as of the date first above written.

JPMORGAN CHASE BANK, N.A., as Collateral Agent

By:

Name: Title:

PETER M. LING MANAGING DIRECTOR

SCHEDULE 1 TO RELEASE OF LIEN IN PATENTS

See Attached

a Patent Security Agreement, dated as of June 25, 2003 and recorded in the U.S. Patent and Trademark Office on October 31, 2003 at Reel 15134/Frame 476

DOCKET NUMBER	FILE DATE	APPLICATION NUMBER
98125	6/4/98	09 090344
PX98007	6/15/98	09 094730
95465	6/18/98	09 100189
980941	7/31/98	09 127271
98098	9/23/98	09 158884
98534	9/24/98	09 160642
98565Q1	9/30/98	09 163799
99811	10/19/98	09 175080
97092Q1	10/29/98	09 182091
98119	10/30/98	09 183675
PX98010	11/3/98	09 184588
98703	11/13/98	09 192014
98484	11/18/98	09 195593
98317	12/2/98	09 204395
98487	12/11/98	09 209854
98037	12/15/98	09 211761
98037Q1	12/15/98	09 211765
98216	12/16/98	09 213649
98625	12/18/98	09 215175
1057780	12/22/98	09 219056
98775	12/22/98	09 219089
98624	12/23/98	09 219814
98231	12/23/98	09 219833
98439	12/23/98	09 219850
98213	12/28/98	09 221239
98428	12/29/98	09 221996
98557	12/29/98	09 222209
PX98005	12/30/98	09 222962
98140	12/30/98	09 223016
98779	112/30/98	09.223112
PX98003	12/30/98	09 223637
96796Q2II	12/31/98	09 223882
98780	_	09 224254
PX98001Q	11/29/99	09 239294
10086Xd	1/29/99	09 239295
97551	1/29/99	09 239296
98448	3/4/99	09 262362
PX98015	3/11/99	09 266558
PX98016	3/11/99	09 266637

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NUMBER	NUMBER	DATE	DATE	DATE	
A0950	6406130	2/20/01	6/18/02	2/20/21	FLUID EJECTION SYSTEMS AND METHODS WITH SECONDARY DIELECTRIC
99134	6406741	11/28/00	6/18/02	11/28/20	METHOD OF MAKING A POLYIMIDE LAYER CONTAINING FLUORINATED CARBON MATERIAL
A0668	6406747	11/28/00	6/18/02	2/26/21	METHODS OF ENCAPSULATING CORES USING INK JETS OR FOGS
96756	6406784	7/12/99	6/18/02	7/12/19	COMPOSITE MEMBER
A0810	6406822	9/29/00	6/18/02	9/29/20	LOW IN
98349D	6406823	12/13/00	6/18/02	10/20/19	PHOTORECEPTOR AND METHOD INVOLVING RESIDUAL VOLTAGES
A0694Q	6407867	11/28/00	6/18/02	11/28/20	MULTIPLE BEAM SPACER WITH A BEAM SPLITTER CUBE AND TWO ROOF
99579	6408054	11/24/99	6/18/02	11/24/19	MICROMACHINED X-RAY IMAGE CONTRAST GRIDS
A0436	6408153	11/30/00	6/18/02	11/30/20	METHOD AND APPARATUS FOR ULTRASONIC SCREEN CLEANING IN A
99092	6408257	8/31/99	6/18/02	8/31/19	AUGMENTED-REALITY DISPLAY METHOD AND SYSTEM
96036	6408753	6/26/96	6/25/02	6/26/16	FLOW COATING PROCESS FOR MANUFACTURE OF POLYMERIC PRINTER
95395D1	6409302	2/26/01	6/25/02	12/14/15	SENSING SYSTEM FOR DETECTING PRESENCE OF AN INK CONTAINER AND LEVEL OF INK THEREIN
A0172	6409311	11/24/00	6/25/02	11/24/20	BI-DIRECTIONAL FLUID EJECTION SYSTEMS AND METHODS
99813	6409316	3/28/00	6/25/02	3/28/20	THERMAL INK JET PRINTHEAD WITH CROSSLINKED PLYMER LAYER
A0956	6409329	1/30/01	6/25/02	1/30/21	METHOD AND DEVICE TO PREVENT FOREIGN METALLIC OBJECT DAMAGE IN FLUID EJECTION SYSTEMS USING MICROWAVE DRYERS
A1327	6410196	9/28/01	6/25/02	9/28/21	PHOTORECEPTOR CHARGE TRANSPORT LAYER WITH A POLYCARBONATE BINDER
99779	6410637	11/28/00	6/25/02	11/28/20	WATER-BASED COMPOSITION FOR COATING A DONOR MEMBER
98225	6411336	9/30/98	6/25/02	9/30/18	SYSTEMS AND METHODS FOR INTRA-AND INTER-FIELD ALIGNING OF VIDEO FRAMES
99299	6411399	6/21/99	6/25/02	6/21/19	SYSTEM FOR RESOLUTION ENHANCEMENT, SUCH AS IN A MULTI-PASS INK-
98109	6411401	12/31/98	6/25/02	12/31/18	PROGRAMMABLE GRAY SCALE HALFTONER WITH OBJECT ORIENTED RESOLUTION CAPABILITY
A0554	6411427	9/28/00	6/25/02	9/28/20	STRUCTURE FOR AN OPTICAL SWITCH ON A GLASS SUBSTRATE
94267C	6411732	7/21/97	6/25/02	9/9/14	METHOD FOR INTERPRETING HAND DRAWN DIAGRAMMATIC USER INTERFACE COMMANDS
98121	6411733	11/25/98	6/25/02	11/25/18	METHOD AND APPARATUS FOR SEPARATING DOCUMENT IMAGE OBJECT TYPES

DOCKET	PATENT	FIF	ISSUE	EXPIRATION	TITLE
NUMBER	NUMBER	DATE	DATE	3	
98047	6416678		7/9/02		SOLID BI-LAYER STRUCTURES FOR USE WITH HIGH VISCOSITY INKS IN ACOUSTIC INK PRINTING AND METHODS OF FABRICATION
97658DC	6416874	11/7/01	7/9/02	3/12/18	COATED PHOTOGRAPHIC PAPERS
A0811	6416916	9/25/00	7/9/02	9/25/20	TONER AND DEVELOPER FOR MAGNETIC BRUSH DEVELOPMENT SYSTEM
A0687	6416920	3/19/01	7/9/02	3/19/21	TONER COAGULANT PROCESSES
A0731	6417875	11/29/00	7/9/02	11/29/20	ADJUSTABLE VOLTAGE FINGER DRIVER
A0099	6418282	11/20/00	7/9/02	5/1/20	INTEGRAL PLENUM PANEL
99831	6418283	10/2/00	7/9/02	10/6/20	COMMUNICATING CARTRIDGE
A0027	6418285	10/27/00	7/9/02	10/27/20	BOB CLEANERS TO CONTROL AND MAINTAIN PR MODULE MOTION QUALITY
98384	6418286	11/6/00	7/9/02	11/6/20	ELECTROSTATOGRAPHIC REPRODUCTION MACHINE HAVING A BELT
A0959	6418289	11/29/00	7/9/02	11/29/20	DRYING DEVICE AND METHOD FOR DRYING INK ON A MEDIUM
99349	6419162	9/22/99	7/16/02	9/22/19	MAXIMIZING DATA CAPACITY FOR EMBEDDED DATA BLOCKS WITH
i		2000	17000	10/10/00	SUEET INVESTING ABBABATILS AND METHOD
A0795	6419222	12/12/00	7/16/02	12/12/20	ELECTRONIC DRIVE SYSTEMS AND METHODS
A0109	6419618	10/31/00	7/16/02	1/29/19	TAMPER-EVIDENT ELECTRIC PAPER
074460	6/10080	3/24/01	7/16/02	3/5/18	PROCESS FOR THE PREPARATION OF WAX ENCAPSULATED BICHROMAL
		1			SPHERES
99781	6420078	12/28/00	7/16/02	12/28/20	TONER COMPOSITIONS WITH SURFACE ADDITIVES
95116Q3D	6421035	6/17/99	7/16/02	12/15/15	FABRICATION OF A TWISTING BALL DISPLAY HAVING TWO OR MORE DIFFERENT KINDS OF BALLS
98385	6421513	11/29/00	7/16/02	11/29/20	TORQUE ASSIST METHOD AND APPARATUS FOR REDUCING PHOTORECEPTOR BELT SLIPPAGE IN A PRINTING MACHINE
99444	6421518	11/28/00	7/16/02	1/11/21	
R95007K	6421700	8/27/99	7/16/02	12/23/16	METHOD AND SYSTEM FOR WORK PROCESS SUPPORT USING INDEPENDENT SYSTEM AND USER STATES (COMBINED FOREIGN
R98016	6421716	3/16/99	7/16/02	3/16/19	SYSTEM FOR GENERATING CONTEXT-SENSITIVE HIERARCHICALLY
000	1		1		1
99341	6422474	9/24/99	7/23/02	9/24/19	N-SPACE INDEXING OF DIGITAL DATA REPRESENTATIONS USING PHYSICAL TAGS
99641	6422509	11/28/00	7/23/02	11/28/20	TRACKING DEVICE
99258	6422556	3/30/00	7/23/02	3/30/20	ELECTROPHOTOGRAPHIC APPARATUS STOP DEVICE
99042	6422677	5/15/00	7/23/02	12/28/19	THERMAL INK JET PRINTHEAD EXTENDED DROPLET VOLUME CONTROL
A0483	6422681	6/16/00	7/23/02	6/16/20	CAP GIMBALING MECHANISM
A0379D	6422695	1/2/02	7/23/02	8/23/20	METHODS OF TRIVING PHASE CHANGE INFOOMTONION

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6/25/03

/8/00	8/20/02	11/8/20	REVERSIBLE SHUTTER LOCK-OUT FEATURE
15/98		4/15/18	METHOD AND APPARATUS FOR AUTOMATIC CUSTOMER REPLACEABLE
			UNIT (CRU) SETUP AND CLEANER BLADE LUBRICATION
/29/00	8/20/02	3/28/20	METHOD AND APPARATUS FOR TONER CAKE DELIVERY
/19/00	8/20/02	10/19/20	EXTENDED LIFE RECYCLEABLE SILENCER ASSEMBLY
/28/00	8/27/02	1/5/21	HARMONIC FRICTION DRIVE
24/99	8/27/02	9/24/19	ENCODING SMALL AMOUNTS OF EMBEDDED DIGITAL DATA AT ARBITRARY
			LOCATIONS WITHIN AN IMAGE
/28/00	8/27/02	11/28/20	BALLISTIC AEROSOL MARKING PROCESS EMPLOYING MARKING MATERIAL
			COMPRISING POLYESTER RESIN AND POLY(3,4-
			ETHYLENEDIOXYTHIOPHENE)
28/01	8/27/02	12/15/19	METHOD AND APPARATUS FOR INTERCONNECTING DEVICES USING AN
			ADHESIVE
2/17/99	8/27/02	12/17/19	METHOD FOR ROTATABLE ELEMENT ASSEMBLY
29/00	8/27/02	12/28/20	PUZZLE-CUT ON PUZZLE-CUT SEAMED BELTS
6/01	8/27/02	2/6/21	IMAGING APPARATUS
2/01	8/27/02	7/14/19	PATTERNED PHOTORESIST STRUCTURES HAVING FEATURES WITH HIGH
			ASPECT RATIOS AND METHOD OF FORMING SUCH STRUCTURES
/29/99	8/27/02	11/29/19	HELIOGRAPHIC INK JET APPARATUS AND IMAGING PROCESSES THEREOF
24/99	8/27/02	6/24/19	ERGONOMIC COMPUTER MOUSE
/29/99	8/27/02	11/29/19	METHODS AND APPARATUSES FOR PERFORMING Z-BUFFER GRANULARITY
			SCENES
27/99	8/27/02	8/27/19	SYSTEMS AND METHODS FOR COLOR SPECIFIC HUE CONTROL
28/99	8/27/02	6/28/19	DYNAMIC CREATION OF COLOR TEST PATTERNS BASED ON VARIABLE
			PRINT SETTINGS FOR IMPROVED COLOR CALIBRATION
/28/00	8/27/02	11/28/20	SWOLLEN GYRICON DISPLAYS AND METHOD OF MAKING SAME

99230

6441817 6441805

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98274Q2

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98150D A0809

6440643 6440629 6440515

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A0666

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A0610

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A0524

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11/8/00

98176

96594

9/22/98

99780Q

6437374

99613Q3 A0371ID

6437282 6437155

9/29/00

8/20/02 8/20/02

5/7/21

DEVICE

SEMICONDUCTOR DEVICE AND METHOD OF FORMING A SEMICONDUCTOR

11/6/20

1/22/19 12/28/20 DATE

ANTHRAQUINONE COLORANTS FOR INKS

LASER MICRO-MACHINING OF SEAMED BELTS

METHODS OF FORMING SEMICONDUCTOR STRUCTURE

8/24/01

8/20/02

8/20/02 DATE ISSUE

12/28/00

DATE FILE

EXPIRATION

98043

6436793 NUMBER PATENT

NUMBER DOCKET

95193

6438273

6438270 6437872

3/3/99

12/23/98

8/20/02 8/20/02 8/20/02

3/3/19

12/23/18

METHOD AND APPARATUS FOR USING ROTATABLE TEMPLATES WITHIN

OOK-UP TABLES TO ENHANCE IMAGE REPRODUCTION

METHODS AND SYSTEMS FOR IMAGE SHARPENING

MULTIBIT SCREENING OF PRINT DOCUMENTS IN A PDL

9/22/18

98323

6439465 6439081 6438338 6438332

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A0979

6439711

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99734C

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PATENT REEL: 034794 FRAME: 0424

ENVIRONMENT

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DOCKET	PATENT	FILE	ISSUE	EXPIRATION	TITLE
98269	9	1/5/99	8/27/02	1/5/19	THREE-PIXEL LINE SCREEN WITH HIGH ADDRESSABILITY AND ERROR
98223	6442302	9/17/98	8/27/02	9/1//18	ROTATED READ-OUT OF JPEG COMPRESSED IMAGES
96153	6442365	4/8/98	8/27/02	4/8/18	THERMALLY CONDUCTIVE FUSER BELT
A0588	6442366	1/25/01	8/27/02	1/25/21	EXTERNAL RADIANT HEATER FOR FUSER MEMBERS AND METHOD OF MAKING SAME
A0593	6442369	11/27/00	8/27/02	11/27/20	AIR BEARING MECHANISM FOR FLATTENING PAPER IN A PRINTING MACHINE
99275Q1I	6442750	10/22/99	8/27/02	7/20/19	DESIGN BY CONTRACT WITH ASPECT-ORIENTED PROGRAMMING
99559D	6442993	4/6/01	9/3/02	4/6/21	SENSOR ALIGNMENT FOR A DOCUMENT PROCESSING APPARATUS
A0716	6443450	11/30/00	9/3/02	11/30/20	SHEET STACKING APPARATUS AND METHOD
A0340I	6444018	2/12/99	9/3/02	2/25/19	PHASE CHANGE INK CARRIER COMPOSITIONS CONTAINING ANHYDRIDE/AMINO ALCOHOL-BASED ADDUCTS
99405D	6444031	7/27/00	9/3/02	12/12/19	APPARATUS FOR COATING PHOTORECEPTOR DEVICES
95376D	6444275	10/31/00	9/3/02	7/1/16	
99769	6444294	7/27/00	9/3/02	9/6/20	RECORDING SUBSTRATES FOR INK JET PRINTING
955051	6444308	12/20/99	9/3/02	6/30/17	MICROWAVE BOOKBINDER TAPE
59765	6444386	4/13/01	9/3/02	4/26/21	PHOTOCONDUCTIVE IMAGING MEMBERS
A0160	6444960	1/11/02	9/3/02	1/11/22	IMPROVED HEATING ELEMENT FOR CHARGING DEVICES
98382	6445413	8/24/98	9/3/02	8/24/18	SYSTEM FOR DETERMINING A VIDEO OFFSET FROM DARK PHOTOSENSORS IN AN IMAGE SENSOR ARRAY
95148	6445463	1/19/99	9/3/02	1/19/19	IMAGE PROCESSING METHOD TO REDUCE MARKING MATERIAL COVERAGE IN PRINTING PROCESSES
99615	6445490	11/28/00	9/3/02	11/28/20	ENCAPSULATED CYRICON SPHERES
A0A02	6445889	4/26/01	9/3/02	4/26/21	DYNAMIC DUTY CYCLE FOR INCREASED LATITUDE
A0951	6445901	1/23/01	9/3/02	1/23/21	FUSER RELEASE AGENT MANAGEMENT SYSTEM WITH DRIVEN SUPPLY
99272	6446035	5/5/99	9/3/02	5/5/19	FINDING GROUPS OF PEOPLE BASED ON LINGUISTICALLY ANALYZABLE CONTENT OF RESOURCES ACCESSED
98569	6446208	9/10/98	9/3/02	9/10/18	USER INTERFACE SYSTEM BASED ON SEQUENTIALLY READ ELECTRONIC TAGS
99071	6447086	11/24/99	9/10/02	11/24/19	METHOD AND APPARATUS FOR ACHIEVING CONTROLLED RF SWITCHING RATIOS TO MAINTAIN THERMAL UNIFORMITY IN THE ACOUSTIC FOCAL SPOT OF AN ACOUSTIC INK PRINTHEAD
A0929	6447094	11/24/00	9/10/02	12/12/20	FIRMWARE SENSORING SYSTEMS AND METHODS FOR A MAINTENANCE MECHANISM OF AN INK JET PRINTER
A0713	6447097	4/5/01	9/10/02	4/5/21	ROW SCRAMBLING IN EJECTOR ARRAYS
A1156	6447109	7/13/01	9/10/02	7/13/21	LIQUID INK CARTRIDGE AND IMPROVED FILLING METHOD

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DOCKET	PATENT	DATE	DATE	DATE	
A0428	6503571	7/11/01	1/7/03	7/11/21	COATING METHOD AND APPARATUS WITH SUBSTRATE EXTENSION DEVICE
A0800	6503677	7/10/01	1/7/03	7/10/21	EMULSION AGGREGATION TONER PARTICLES COATED WITH NEGATIVELY CHARGEABLE AND METHOD OF MAKING SAME
A0689	6503678	11/28/00	1/7/03	11/28/20	TONER COMPOSITIONS COMPRISING POLYTHIOPHENES
A1112	6503680	8/29/01	1/7/03	8/29/21	LATEX PROCESSES
98004Q	6504175	4/28/98	1/7/03	4/28/18	HYBRID POLYCRYSTALLINE AND AMORPHOUS SILICON STRUCTURES ON A SHARED SUBSTRATE
98294	6504375	11/28/00	1/7/03	2/15/21	ELECTROSTATIC VOLTMETER MODULATORS AND METHODS OF MAKING SAME
A0740	6504376	11/29/00	1/7/03	4/18/21	AUTOMATIC MODULATION CONTROL FOR ESV MODULATORS
99127	6504525	5/3/00	1/7/03	5/3/20	ROTATING ELEMENT SHEET MATERIAL WITH MICROSTRUCTURED SUBSTRATE AND METHOD OF USE
99317	6504556	6/29/99	1/7/03	6/29/19	OPERATOR NOTATION TOOL TIP
A0149	6504557	5/29/01	1/7/03	5/29/21	CHARGE EMITTING PRINT HEAD FOR IMAGE FORMING SYSTEMS
98378	6504621	12/22/98	1/7/03	12/22/18	SYSTEM FOR MANAGING RESOURCE DEFICIENT JOBS IN A MULTIFUNCTIONAL PRINTING SYSTEM
A0554Q2	6504643	9/28/00	17/7/03	9/28/20	STRUCTURE FOR AN OPTICAL SWITCH ON A SUBSTRATE
A1464	6505006	11/15/01	1/7/03	11/15/21	SUPPLY CARTRIDGE FOR A PRINTING APPARATUS
A0A01	6505011	4/26/01	1/7/03	4/26/21	TC RUNTIME CONTROL USING UNDERDEVELOPED SOLID, AND EDGE ENHANCEMENT
99589	6505013	2/15/00	1/7/03	2/15/20	SYSTEM AND METHOD FOR EXTENDING THE LIFE OF A CHARGE RECEPTOR IN A XEROGRAPHIC PRINTER
A1216	6505030	8/23/01	1/7/03	8/23/21	PRE-FUSER TRANSPORT ASSEMBLY FOR HANDLING A VARIETY OF SHEETS AND A REPRODUCTION MACHINE HAVING SAME
95465Q	6505150	6/18/98	1/7/03	10/15/17	ARTICLE AND METHOD OF AUTOMATICALLY FILTERING INFORMATION RETRIEVAL RESULTS USING TEXT GENRE
	6505219	1/27/99	1/7/03	1/27/19	PROCESS MANAGEMENT SYSTEM WHEREIN PROCESS DESCRIPTIONS PROVIDE INDICES TO DOCUMENT HISTORIES
98714	6505832	12/23/98	1/14/03	12/23/18	VARIABLE ACCELERATION TAKE-AWAY ROLL (TAR) FOR HIGH CAPACITY FEEDER
98033	8505902	9/13/00	1/14/03	9/13/20	MAIL PIECE PRODUCING MACHINE HAVING A WIDE SWATH ENVELOPE
A1105	6506620	11/27/00	1/14/03	11/27/20	PROCESS FOR MANUFACTURING MICROMECHANICAL AND MICROOPTOMECHANICAL STRUCTURES WITH BACKSIDE METALIZATION JOINT XEROX/MICROSCAN SYSTEMS INC)
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6/25/03

BER NUMBER DATE	TECHNIQUE FOR ACCURATE COLOR-COLOR REGISTRATION MEASUREMENTS	11/29/19	3/4/03	11/29/99	6529616	99747
BER NUMBER DATE DATE <t< td=""><td>HVQ COMPRESSION FOR IMAGE BOUNDARIES</td><td>6/29/18</td><td>3/4/03</td><td>4/15/02</td><td>6529553</td><td>98404Q4C</td></t<>	HVQ COMPRESSION FOR IMAGE BOUNDARIES	6/29/18	3/4/03	4/15/02	6529553	98404Q4C
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 2 6526156 9/3/97 2/25/03 9/3/17 3 6526240 8/28/01 2/25/03 8/28/21 40 6526244 11/21/01 2/25/03 11/21/21 5 6526244 11/21/01 2/25/03 11/21/21 6526244 11/21/01 2/25/03 11/21/21 6527355 8/29/01 3/4/03 5/15/21 6527366 8/29/01 3/4/03 5/15/21 6527386 8/28/01 3/4/03 5/14/20 6527386 8/28/01 3/4/03 5/30/22 6527386 5/30/02 3/4/03 5/30/22 6528226 11/28/00 3/4/03 1/1/28/20 6528350 5/21/01 3/4/03 1/1/28/20 6528355 12/21/01 3/4/03 1/2/21/21 6529215 12/31/18 3/4/03 12/21/18 12C 6529285	METHODS OF DISPLAYING IMAGES	1/10/22	3/4/03	17 10/02	0029313	A1035
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 2 6526156 9/3/97 2/25/03 9/3/17 3 6526240 8/28/01 2/25/03 8/28/21 4 11/21/01 2/25/03 11/21/21 5 6526244 11/21/01 2/25/03 11/21/21 6526244 11/21/01 2/25/03 11/21/21 6527355 4/11/01 3/4/03 5/15/21 6527366 8/28/01 3/4/03 8/29/21 6527386 8/28/01 3/4/03 8/28/21 9 6527386 8/28/01 3/4/03 8/28/21 9 6527386 8/28/02 3/4/03 7/14/20 9 6527386 8/28/01 3/4/03 1/128/20 9 6528326 1/128/00 3/4/03 1/128/20 10 6528350 5/21/01 3/4/03 1/128/20 10 6529215 1/2/31/98 3/4/03	MATCHED TABLES			11000	000	200
NUMBER DATE DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 6526244 11/21/01 2/25/03 11/21/21 6526244 11/21/01 3/4/03 5/15/21 6527355 8/29/01 3/4/03 5/15/21 6527366 8/28/01 3/4/03 8/29/21 6527386 8/28/01 3/4/03 8/28/21 6527386 8/28/01 3/4/03 8/28/21 6527386 5/30/02 3/4/03 7/14/20 6528226 11/28/00 3/4/03 7/14/21 6528226 11/28/00 3/4/03 1/28/20 6528350 5/21/01 3/4/03 5/21/21 6529215 12/21/01 3/4/03 12/21/21 6529285 12/21/19 3/4/03 12/21/121 6529285 12/231/18 3/4/03 12/231/18 <tr< td=""><td>FUZZY BLACK COLOR CONVERSION USING WEIGHTED OUTPUTS AND</td><td>9/22/19</td><td>3/4/03</td><td>9/22/99</td><td>6529291</td><td>98477</td></tr<>	FUZZY BLACK COLOR CONVERSION USING WEIGHTED OUTPUTS AND	9/22/19	3/4/03	9/22/99	6529291	98477
NUMBER DATE <	DOCUMENT IMAGE REPRESENTATIONS		3/4/03	6/18/01	9878769	96114120
NUMBER DATE DATE	METHOD AND APPARATUS FOR ANNOTATING WIDGETS		3/4/03	12/31/98	6529215	
NUMBER DATE DATE	LOOP					
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 11/24/19 6526240 8/28/01 2/25/03 9/3/17 Q 6526244 11/21/01 2/25/03 11/21/21 Q 6526244 11/21/01 2/25/03 11/21/21 G527305 4/11/01 3/4/03 5/15/21 G527355 8/29/01 3/4/03 5/15/21 G527386 8/28/01 3/4/03 8/28/21 G527386 5/30/02 3/4/03 7/14/20 G528226 11/28/00 3/4/03 7/14/20 G528336 4/9/01 3/4/03 4/14/21 G528350 5/21/01 3/4/03 5/21/21 G528557 2/2/01 3/4/03 5/21/21	FOR ADJUSTING THE	12/21/21	3/4/03	12/21/01	6529055	A1288
BER NUMBER DATE		i.	0,71,00	110	001000	000
BER NUMBER DATE DATE <t< td=""><td>METHOD FOR FABRICATING A METAL FLATED SPRING STRUCTORE</td><td>3/3/34</td><td>3/4/03</td><td>0/2/01</td><td>6528557</td><td>AU9/ I</td></t<>	METHOD FOR FABRICATING A METAL FLATED SPRING STRUCTORE	3/3/34	3/4/03	0/2/01	6528557	AU9/ I
NUMBER DATE DATE	WAFER AND TESTING THE SAME				000000000000000000000000000000000000000	2027
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 8/28/21 6527105 4/11/01 3/4/03 5/15/21 6527355 8/29/01 3/4/03 5/15/21 6527386 8/28/01 3/4/03 8/28/21 6527386 5/30/02 3/4/03 8/28/21 6528225 3/9/98 3/4/03 5/30/22 6528226 11/28/00 3/4/03 11/28/20	METHOD FOR FABRICATION OF A SILICON PHOTOSENSOR ARRAY ON A	4/14/21	3/4/03	4/9/01	6528336	A0157
NUMBER DATE DATE	D	11/28/20	3/4/03	11/28/00	6528226	A0076
BER NUMBER DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 8/28/21 6527105 4/11/01 3/4/03 5/15/21 6527355 8/29/01 3/4/03 8/29/21 6527386 8/28/01 3/4/03 8/28/21 6527386 5/30/02 3/4/03 7/14/20 6527386 5/30/02 3/4/03 5/30/22		3/9/18	3/4/03	3/9/98	6528225	96675
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 9 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21 G 6526244 11/21/01 2/25/03 11/21/21 G 6527305 4/11/01 3/4/03 5/15/21 G 6527355 8/29/01 3/4/03 8/29/21 G 6527383 7/14/20 3/4/03 7/14/20	NT IMAGING SUR	5/30/22	3/4/03	5/30/02	6527386	A0319
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 9 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21 G 6526244 11/21/01 2/25/03 11/21/21 G 6527305 4/11/01 3/4/03 5/15/21 E 6527366 8/29/01 3/4/03 8/29/21 B 6527366 8/28/01 3/4/03 8/28/21	ANTI-BUBBLE SHELF IN AN INK TANK	7/14/20	3/4/03	7/14/00	6527383	A0769
BER NUMBER DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 9 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21 Q 6526244 11/21/01 2/25/03 11/21/21 G 6527105 4/11/01 3/4/03 5/15/21 6527355 8/29/01 3/4/03 8/29/21	METHOD AND ARRANGEMENT FOR COLOR SUBSTITUTION IN A MULTI-	8/28/21	3/4/03	8/28/01	652/366	99/5/
BER NUMBER DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 8/28/21 6527105 4/11/01 3/4/03 5/15/21 6527355 8/29/01 3/4/03 8/29/21	CAUSED BY DROP MASS VARIATIONS IN AN INK JET PRINTER					
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21 6527105 4/11/01 3/4/03 5/15/21	A METHOD AND APPARATUS FOR PREVENTING BANDING DEFECTS	8/29/21	3/4/03	8/29/01	6527355	A0922
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21 6527105 4/11/01 3/4/03 5/15/21	THERMOSETTING RESIN AND CONDUCTIVE CARBON FILLER ADHESIVE BETWEEN INTERLOCKING SEAMING MEMBERS		:			,
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21 Q 6526244 11/21/01 2/25/03 11/21/21	IMAGEABLE SEAMED BELTS HAVING HOT MELT PROCESSABLE,	5/15/21	3/4/03	4/11/01	6527105	A0895
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 6526156 9/3/97 2/25/03 9/3/17 6526240 8/28/01 2/25/03 8/28/21	HYBRID ELECTROPHOTOGRAPHIC APPARATUS FOR CUSTOM COLOR PRINTING	11/21/21	2/25/03	11/21/01	6526244	A0747Q
SER NUMBER DATE SYSTEMS AND METHODS F DATE SYSTEMS AND METHODS F DATE SYSTEMS AND METHODS F DATE DAT	VERSATILE SYSTEM FOR CREATING TEST IMAGES IN A DIGITAL PRINTING APPARATUS	8/28/21	2/25/03	8/28/01	6526240	A0A09
BER NUMBER DATE DATE DATE 6526155 11/24/99 2/25/03 11/24/19 SYSTEMS AND METHODS HALFTONING	APPARATUS AND METHOD FOR IDENTIFYING AND TRACKING OBJECTS WITH VIEW-BASED REPRESENTATIONS	9/3/17	2/25/03	9/3/97	6526156	97002
BER NUMBER DATE DATE		11/24/19	2/25/03	11/24/99	6526155	98636
		EXPIRATION DATE	DATE	FILE DATE	PATENT NUMBER	NUMBER NUMBER

PATENT REEL: 034794 FRAME: 0427

RECORDED: 01/22/2015