PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3123833

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: 14

Property Type	Number
Patent Number:	5339102
Patent Number:	5349905
Patent Number:	5367326
Patent Number:	6328407
Patent Number:	5432539
Patent Number:	5448273
Patent Number:	5479968
Patent Number:	5500668
Patent Number:	5504507
Patent Number:	5532901
Patent Number:	5534050
Patent Number:	5534895
Patent Number:	5534897
Patent Number:	5554213

CORRESPONDENCE DATA

503077229

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

PATENT

REEL: 034474 FRAME: 0560

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:	11/26/2014

Total Attachments: 17

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page1.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page2.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page3.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page4.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page5.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page6.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page7.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page8.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page9.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page10.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page11.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page12.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page13.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page14.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page15.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page16.tif

source=53391025349905 5367326 6328407 5432539 5448273 5479968 5500668 5504507 5532901 5534050 5554213#page17.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: 034474 FRAME: 0562 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 hereto</u>;
 - (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

COPIER/DUPLICATOR NETWORK	12/31/11	8/16/94	12/31/91	5339168	90168
MARK DETECTION CIRCUIT FOR AN ELECTROGRAPHIC PRINTING MACHINE	3/23/13	8/16/94	3/23/93	5339150	92519
NON-STICK SPOTS BLADE	8/23/13	8/16/94	8/23/93	5339149	93333
SEQUENTIAL ULTRASONIC FUSING PROCESS	11/24/13	8/16/94	11/24/93	5339147	93480
DEVELOPER UNIT CONDUCTIVE BRUSH	3/8/13	8/16/94	3/8/93	5339143	92511
AC/DC SPATIALLY PROGRAMMABLE DONOR ROLL FOR XEROGRAPHIC DEVELOPMENT	7/30/12	8/16/94	7/30/92	5339142	92023
PLATEN PLATEN	10/12/13	8/16/94	10/12/93	5339139	93442Q
APPARATUS					
CHARGED AREA (CAD) IMAGE LOSS CONTROL IN A TRI-LEVEL IMAGING	9/5/11	8/16/94	3/11/93	5339135	91474C
CAPPING CARRIAGE FOR INK JET PRINTER MAINTENANCE STATION	11/12/12	8/16/94	11/12/92	5339102	92548
ACOUSTIC INK PRINTER	12/30/11	8/16/94	12/30/91	5339101	90467
DONOR ROLL WITH ELECTRODE SPACER FOR SCAVENGELESS DEVELOPMENT IN A XEROGRAPHIC APPARATUS	8/16/13	8/16/94	8/16/93	5338893	93061
MOLEX)					
PANEL MOUNTING SYSTEM FOR ELECTRICAL CONNECTORS-(JOINT WITH	5/14/13	8/16/94	5/14/93	5338226	93340
TANDEM TRILEVEL PROCESS COLOR PRINTER	10/23/12	8/9/94	10/23/92	5337136	92488
HIGHER PRODUCTIVITY TRAYLESS DUPLEX PRINTER WITH VARIABLE PATH VELOCITY	9/30/13	8/9/94	9/30/93	5337135	92065
SYSTEM TO EXTEND FUSER ROLL LIFE	7/19/13	8/9/94	7/19/93	5337133	92257
APPARATUS FOR CREATING SIMULATED COLOR PHOTOGRAPHIC PRINTS USING XEROGRAPHY	7/21/13	8/9/94	7/21/93	5337132	93231
GRAFTED CERAMER	10/27/13	8/9/94	10/27/93	5337129	93422
LOW BEAD IMPULSE DONOR LOADING	9/28/12	8/9/94	9/28/92	5337124	92021
BELT SUPPORTING MEMBER FOR A COLOR IMAGE FORMING APPARATUS	11/19/12	8/9/94	11/19/92	5337123	91619
METHOD AND APPARATUS FOR MICR PRINTING QUALITY CONTROL	6/23/13	8/9/94	6/23/93	5337122	91125
VARIABLE MAGNIFICATION COPYING APPARATUS	3/12/13	8/9/94	3/12/93	5337121	93001
OPTO-ELECTRONIC LINE PRINTER HAVING A HIGH DENSITY, INDEPENDENTLY ADDRESSABLE, SURFACE EMITTING SEMICONDUCTOR LASER/LIGHT EMITTING DIODE ARRAY	8/9/11	8/9/94	8/5/91	5337074	902461
COLOR DEVELOPER COMPOSITIONS CONTAINING BARE CARRIER CORESAND COATED CARRIER CORES	9/3/12	8/9/94	9/3/92	5336579	92337
SINGLE LAYER PHOTORECEPTOR	12/30/11	8/9/94	6/2/93	5336577	91084C
APPARATUS FOR APPLYING AN ADHESIVE LAYER TO A SUBSTRATE SURFACE	5/26/12	8/9/94	5/26/92	5336319	91245
	DATE	DATE	DATE	NUMBER	NUMBER
TITLE	EXPIRATION	ISSUE	EI F	PATENT	DOCKET

Page 134 of 374

PATENT REEL: 034474 FRAME: 0567

Pag
<u> </u>
36
약 3
7

DOCKET	PATENT	=======================================	11881	EXPIRATION	TITI F
NUMBER	NUMBER	DATE	DATE	DATE	
93479	5345298	10/20/93	9/6/94	10/20/13	MAGNETIC BRUSH DEVELOPMENT APPARATUS FOR TONER ADD/MIX DISPENSER
90622	5345581	4/1/91	9/6/94	9/6/11	PROCESS FOR REPLACING STORAGE MEDIA IN ELECTRONIC PRINTING SYSTEMS
91684	5346199	11/1/93	9/13/94	11/1/13	ADJUSTABLE NUDGER ROLL NORMAL FORCE USING MULTIPLE SPRINGS
93250	5346556	11/1/93	9/13/94	11/1/13	CLEANING F
92268	5346793	9/23/92	9/13/94	9/23/12	TONER COMPOSITIONS WITH ALUMINUM CHARGE ENHANCING ADDITIVES
92553	5346795	5/27/93	9/13/94	5/27/13	TONER AND DEVELOPER COMPOSITIONS
92577	5346797	2/25/93	9/13/94	2/25/13	TONER PROCESSES
92125	5347303	1/4/93	9/13/94	1/4/13	FULL COLOR XEROGRAPHIC PRINTING SYSTEM WITH DUAL WAVELENGTH, SINGLE OPTICAL SYSTEM ROS AND DUAL LAYER PHOTORECEPTOR
91720	5347353	9/24/93	9/13/94	9/24/13	TANDEM HIGH PRODUCTIVITY COLOR ARCHITECTURE USING A PHOTOCONDUCTIVE INTERMEDIATE BELT
91260	5347369	3/22/93	9/13/94	3/22/13	PRINTER CALIBRATION USING A TONE REPRODUCTION CURVE AND REQUIRING NO MEASURING EQUIPMENT
93611	5347374	11/5/93	9/13/94	11/5/13	CASCADED IMAGE PROCESSING USING HISTOGRAM PREDICTION
91686	5348282	10/4/93	9/20/94	10/4/13	SELF ADJUSTING FEED ROLL
89029CC	5348636	11/8/93	9/20/94	9/20/11	PROCESSES FOR THE PREPARATION AND SEPARATION OF MACROMOLECULES
93430	5348831	10/28/93	9/20/94	10/28/13	POLYESTER-IMIDE TONER AND DEVELOPER COMPOSITIONS
93094	5348832	6/1/93	9/20/94	6/1/13	
92527	5349199	4/29/93	9/20/94	4/29/13	SENSING APPARATUS FOR REDUCING SHEET DETECTION AND REGISTRATION ERRORS BY USING MULTIPLE LIGHT BEAM REFLECTIONS
93291	5349223	12/14/93	9/20/94	12/14/13	HIGH CURRENT HIGH VOLTAGE VERTICAL PMOS IN ULTRA HIGH VOLTAGE CMOS
93150	5349377	5/17/93	9/20/94	5/17/13	PRINTER TONER USAGE INDICATOR WITH IMAGE WEIGHTED CALCULATION
93352	5349424	10/25/93	9/20/94	10/25/13	THICK WALLED HEATED BELT FUSER
93461	5349427	12/13/93	9/20/94	12/13/13	REPRODUCTION MACHINE WASTE IMAGING MATERIALS REMOVAL SYSTEM
93316	5349428	11/4/93	9/20/94	11/4/13	CLEANING APPARATUS FOR THE REDUCTION OF BLADE TUCK IN REMOVAL OF SPOT-CAUSING AGGLOMERATE PARTICLES
93327	5349429	11/9/93	9/20/94	11/9/13	CLEANER BLADE LUBRICATING SYSTEM
91023D		2/2/94	9/20/94	12/23/11	
91736C	5349905	4/5/93	9/27/94	3/24/12	METHOD AND APPARATUS FOR CONTROLLING PEAK POWER REQUIREMENTS OF A PRINTER
91727	5350168	3/26/92	9/27/94	3/26/12	CORRUGATED FANG FOR MULTI MEDIA FEEDER

Page
140
of 3
374

DOCKET	PATENT	FILE	ISSUE	EXPIRATION	TITLE
NUMBER	NUMBER	DATE	DATE	DATE	
90420	5363213	6/8/92	11/8/94	6/8/12	UNQUANTIZED RESOLUTION CONVERSION OF BITMAP IMAGES USING ERROR DIFFUSION
90003DI	5363214	12/30/91	11/8/94	11/8/11	FACSIMILE TRANSMISSION SYSTEM
92430	5363485	10/1/92	11/8/94	10/1/12	BUS INTERFACE HAVINTG SINGLE AND MULTIPLE CHANNEL FIFO DEVICES USING PENDING CHANNEL INFORMATION STORED IN A CIRCULAR QUEUE
				10/1/20	FOR TRANSFER OF INFORMATION THEREIN
93441	5364087	10/4/93	11/15/94	10/4/13	IILLING IKAY FOX FEEDING AND STACKING STECIALIZED FOXING
91613	5364216	5/7/93	11/15/94	5/7/13	APPARATUS FOR APPLYING A BINDING STRIP TO DOCUMENT SETS
90012	5364332	7/1/93	11/15/94	7/1/13	SOFT NIP FOLDER
91096C	5364724	2/26/93	11/15/94	11/15/11	TONER AND DEVELOPER COMPOSITIONS WITH COMPATIBILIZER
90095D	5364726	2/2/93	11/15/94	11/15/11	LIQUID DEVELOPERS HAVING CURABLE LIQUID VEHICLES
93110	5364729	6/25/93	11/15/94	6/25/13	TONER AGGREGATION PROCESSES
893451	5364743	12/31/92	11/15/94	11/15/11	PROCESS FOR FABRICATION OF BUBBLE JET USING POSITIVE RESISTIMAGE REVERSAL FOR LIFT OFF OF PASSIVATION LAYER
93137	5365074	8/23/93	11/15/94	8/23/13	APPARATUS FOR DETERMINING REGISTRATION OF IMAGING MEMBERS
91599	5365251	8/28/92	11/15/94	8/28/12	IMAGE QUALITY IMPROVEMENT BY HIERARCHICAL PATTERN MATCHING WITH VARIABLE SIZE TEMPLATES
92645	5365310	7/30/93	11/15/94	7/30/13	REMOTE DIAGNOSIS OF COPY QUALITY DEFECTS
93142	5365317	12/6/93	11/15/94	12/6/13	CHARGING SYSTEM FOR ELIMINATING EDGEBANDING IN AN ELECTROSTATOGRAPHIC PRINTING PROCESS
90272C	5365349	11/9/93	11/15/94	11/15/11	IMAGE DELETION FOR IMPROVED SCANNER FAULT RECOVERY
91631	5365601	12/23/91	11/15/94	12/23/11	N-BIT WIDE PARALLEL ROTATION ALGORITHM
92397	5366340	8/28/92	11/22/94	8/28/12	ROBOTIC END EFFECTOR
93112	5366772	7/28/93	11/22/94	11/24/09	FUSER MEMBER
92170	5366773	12/21/92	11/22/94	12/21/12	TUBULAR PULTRUDED MEMBER HAVING UNIFORM WALL THICKNESS
91094	5366836	12/6/91	11/22/94	12/6/11	SUBLIMABLE DYE TONER, METHOD OF MANUFACTURE AND METHOD OF USE
93258	5366840	8/30/93	11/22/94	8/30/13	LIQUID DEVELOPER COMPOSITIONS
93269	5366841	9/30/93	11/22/94	11/15/11	TONER AGGREGATION PROCESSES
93219	5366926	6/7/93	11/22/94	6/7/13	LOW TEMPERATURE PROCESS FOR LASER DEHYDROGENATION AND CRYSTALLIZATION OF AMORPHOUS SILICON
92189	5367326	10/2/92	11/22/94	10/2/12	INK JET PRINTER WITH SELECTIVE NOZZLE PRIMING AND CLEANING
93698	5367327	12/21/93	11/22/94	12/21/13	SINGLE PASS FULL COLOR PRINTING SYSTEM USING A QUAD-LEVEL
92486	5367361	12/16/92	11/22/94	12/16/12	SYSTEM AND METHOD FOR CONTROLLING VOLTAGES OF ELEMENTS IN AN ELECTROSTATIC PRINTING APPARATUS

DOCKET	DATENT		10011	INOIT VOIDA	TITI E
NUMBER		DATE	DATE	DATE	I I I Anales
93725	54	8/25/94	6/20/95	8/25/14	METHOD AND APPARATUS FOR IMPLEMENTING ACCURATE ANGLE SCREENS
93607	5427881	2/2/94	6/27/95	2/2/14	CROSSLINKED POLYESTERIMIDE TONER COMPOSITIONS
94398	5427882	7/29/94	6/27/95	7/29/14	LOW MELT POLYESTER IMIDE TONER COMPOSITIONS
91521	5428377	8/11/92	6/27/95	8/11/12	COLOR SPATIAL FILTERING FOR THERMAL INK JET PRINTERS
93079	5428381	7/30/93	6/27/95	7/30/13	
94403	5428436	7/26/94	6/27/95	7/26/14	SHUTTER ASSEMBLY USING A RESILIENT MATERIAL
94116	5428437	4/25/94	6/27/95	4/25/14	ROLL MEMBER WEAR INDICATOR
93172	5429348	3/7/94	7/4/95	3/7/14	ADJUSTABLE TOP VACUUM CORRUGATION FEEDER
91118III	5430472	12/29/92	7/4/95	7/4/12	
			rhavel Milanter versa eth		OVERSCANNED ILLUMINATION FOR OPTICAL PRINTERS AND THE LIKE HAVING HIGH GAMMA PHOTOSENSITIVE RECORDING MEDIA AND HIGH
03400	E 4 3 0 E 3 0	40/4/02	7///05	10/4/13	ADMIX HOLIONIO
91608	5430535	4/26/94	7/4/95	4/26/14	BIMODAL SHEET TRANSPORT SYSTEM FOR A COPIER
93442	5430536	10/12/93	7/4/95	10/12/13	AUTOMATIC DUPLEX AND SIMPLEX DOCUMENT HANDLER FOR
034000	E 70000	3/34/04	7/11/05	11/07/10	TELEC IXCOLC INTO I
92637	5432535	12/18/92	7/11/95	12/18/12	
93058C	5432539	9/30/94	7/11/95	4/19/13	PRINTHEAD MAINTENANCE DEVICE FOR A FULL-WIDTH INK-JET PRINTER
926731	5433397	12/30/93	7/18/95	1/4/13	HIGH SPEED TAPE TRANSPORT SYSTEM
90609	5434029	5/6/91	7/18/95	7/18/12	CURL PREVENTION METHOD FOR HIGH TMA COLOR COPIERS
92019	5434953	3/20/92	7/18/95	7/18/12	USE OF FAST TEXTURED REDUCTION FOR DISCRIMINATION OF DOCUMENT IMAGE COMPONENTS
92699	5434993	11/9/92	7/18/95	11/9/12	CONTROLLER FOR A CACHE CONTROLLER ON A PACKET SWITCHED
-					MEMORY BUS EMPLOYING DUAL DIRECTORIES (JOINT XEROX/SUN MICROSYSTEMS, INC)
93452	5435538	1/3/94	7/25/95	1/3/14	RETARD ROLL WITH INTEGRAL TORQUE LIMITING SLIP CLUTCH WITH REVERSING BIAS
904881	5435540	3/4/94	7/25/95	7/25/12	APPARATUS AND METHOD FOR SHEET FEEDING AND SEPARATING USING RETARD ROLL RELIEF/ENHANCEMENT
923321	5435544	2/16/94	7/25/95	4/27/13	JOBS FROM MAILBOX SYSTEM SIGNALING OVERDUE REMOVALS OF PRINT
93416	5436099	12/21/93	7/25/95	12/21/13	PHOTORECEPTOR WITH LOW SURFACE ENERGY OVERCOAT
93187	5436103	8/27/93	7/25/95	8/27/13	MODIFIED UNSATURATED POLYESTERS

6/25/03

Page 150 of 374

Page
153
of 37

DATE DATE DATE DATE DATE SPILLAGE	DEVELOPED DURING FABRICATION	9/27/13	9/12/95	9/27/93	5450108	92480
ER NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 5444522 4/18/94 8/22/95 4/18/14 5444522 4/18/94 8/22/95 4/18/14 5444779 7/29/94 8/22/95 10/18/13 5447278 12/30/93 9/5/95 12/30/13 5447303 6/20/94 9/5/95 10/26/14 5448273 6/22/93 9/5/95 6/20/14 5448273 6/22/93 9/5/95 6/20/14 5448277 6/30/93 9/5/95 6/20/14 5448342 12/10/93 9/5/95 6/30/13 5448342 12/10/93 9/5/95 6/30/13 54483403 4/8/94 9/5/95 9/5/95 5449163 8/1/94 9/12/95 7/29/14 5449164 8/29/94 9/12/95 8/11/14 5449185 4/26/94 9/12/95 4/26/13 5449164 9/12/95 4/26/13 4/26/14	SURFACE RIPPLE WAVE SUPPRESSION BY ANTI-REFLECTION IN APERTURED FREE INK SURFACE LEVEL CONTROLLERS FOR ACOUSTIC INK PRINTERS	9/12/12	9/12/95	12/27/91	5450107	89213
ER NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 5444522 4/18/94 8/22/95 4/18/14 5444522 4/18/94 8/22/95 4/18/14 5444779 7/29/94 8/22/95 10/18/13 54447791 10/26/94 9/5/95 12/30/13 5447791 10/26/94 9/5/95 10/26/14 5448277 6/20/93 9/5/95 6/20/14 5448277 6/30/93 9/5/95 6/20/14 5448342 12/10/93 9/5/95 6/20/13 5448342 12/10/93 9/5/95 6/30/13 5448340 4/8/94 9/5/95 9/5/95 9/5/12 5449163 8/1/94 9/12/95 7/29/14 5449164 8/29/94 9/12/95 7/29/14 5449165 4/26/93 9/12/95 8/11/14 5449164 8/29/94 9/12/95 4/26/13 5449165 4/26/94 9/12/95 4/26/14	CORONA GENERATING ELECTRODE REPLACEMENT TOOL	1/3/14	9/12/95	1/3/94	5449906	93622
ER NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 5444552 9/28/92 8/22/95 9/28/12 5444779 7/29/94 8/22/95 10/18/13 54477278 12/30/93 9/5/95 12/30/13 5447791 10/26/94 9/5/95 12/30/13 5448273 6/20/94 9/5/95 6/20/14 5448342 12/10/93 9/5/95 6/22/13 5448342 12/10/93 9/5/95 6/30/13 5448342 12/10/93 9/5/95 6/30/13 5448342 12/10/93 9/5/95 6/30/13 5448403 4/8/94 9/5/95 9/5/95 9/5/12 5449163 8/1/94 9/12/95 12/11/12 5449164 9/26/94 9/12/95 8/29/14 5449182 4/26/93 9/12/95 4/26/13 5449184 9/12/95 4/26/13 4/26/14 5449185 4/26/94 9/12/95 4/26/14 <td>CODES</td> <td>12/22/13</td> <td>2/ 12/30</td> <td>12/22/33</td> <td>0449090</td> <td>ฮวออฮน</td>	CODES	12/22/13	2/ 12/30	12/22/33	0449090	ฮวออฮน
ER NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 5444552 9/28/92 8/22/95 4/18/14 5444779 7/29/94 8/22/95 10/18/13 5444797 4/19/93 8/22/95 4/19/13 5447778 12/30/93 9/5/95 12/30/13 5447791 10/26/94 9/5/95 12/30/13 5447791 10/26/94 9/5/95 6/20/14 5447791 10/26/94 9/5/95 6/20/14 5448277 6/30/93 9/5/95 6/20/14 5448273 6/22/93 9/5/95 6/22/13 5448342 12/10/93 9/5/95 6/22/13 5448343 12/10/93 9/5/95 12/11/12 5449163 8/1/94 9/12/95 12/11/12 5449164 8/29/94 9/12/95 8/29/14 5449182 4/26/93 9/12/95 4/26/13 5449184 9/12/95 4/26/13 4/26/14	EXPLICIT SYNCHRONIZATION FOR SELF-CLOCKING GLYPH CODES	12/22/13	9/12/95	12/22/93	5449895	93688
ER NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 5444522 4/18/94 8/22/95 4/18/14 5444552 9/28/92 8/22/95 4/18/14 544779 7/29/94 8/22/95 10/18/13 5447278 12/30/93 8/22/95 4/19/13 5447303 6/20/94 9/5/95 12/30/13 5447303 6/20/94 9/5/95 12/30/13 5448273 6/22/93 9/5/95 6/20/14 5448273 6/22/93 9/5/95 6/22/13 5448273 6/22/93 9/5/95 6/30/13 5448375 3/20/92 9/5/95 6/30/13 5448375 3/20/92 9/5/95 12/11/12 5449163 8/1/94 9/5/95 12/11/12 5449164 8/29/94 9/12/95 8/29/14 5449182 4/26/93 9/12/95 4/26/13 5449182 4/26/94 9/12/95 4/26/14	MATERIALS PRODUCED THEREFROM	12/14/14	9/12/95	12/14/94	5449724	94138
ER NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444752 9/28/92 8/22/95 4/18/14 REPLACEABL 5444779 7/29/94 8/22/95 9/28/12 METHOD FOR 5447303 6/20/94 8/22/95 10/18/13 ELECTRONIC 5447791 10/26/94 9/5/95 12/30/13 TAPE DRIVE J 5448277 6/30/93 9/5/95 10/26/14 CHAPE DRIVE J 5448375 10/26/94 9/5/95 6/20/14 CHAPE DRIVE J 5448403 12/10/93 9/5/95 6/30/13 THERMAL INK 5449163 8/1/94 9/5/95 9/5/95 12/11/12 BINARY DIFF 5449164 8/29/94 9/12/95 12/11/12 BINARY DIFF 5449165 4/26/93 9/12/95	POLYESTER TO THE FIRE THE POLYESTER	1	3/ 12/ 30	//0/94	01.76440	94 40
ER NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 54444522 4/18/94 8/22/95 4/18/14 REPLACEABL 54444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444752 4/18/94 8/22/95 4/18/12 METHOD FOR BITMAPS 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND 5447278 12/30/93 9/5/95 12/30/14 DETERMINAT 5447278 12/30/93 9/5/95 6/20/14 CONDUCTIVE 5447278 12/20/94 9/5/95 6/22/13 THERMAL INK 5448273 6/22/93 9/5/95 6/30/13 THERMAL INK 5448342 12/10/93 9/5/95 6/30/13 DEVELOPMEN FRINTERS METHOD AND METHOD AND METHOD AND METHOD AND		6/6/14	9/12/95	6/6/94	5449582	93648
ER NUMBER DATE DATE DATE DATE PATE PATE SPILLAGE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL SPILLAGE 5444552 9/28/92 8/22/95 4/18/14 REPLACEABL 5444779 7/29/94 8/22/95 9/28/12 METHOD FOR 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444779 4/19/93 8/22/95 4/19/13 METHOD AND 5447778 12/30/93 9/5/95 12/30/13 METHOD AND 5447791 10/26/94 9/5/95 6/20/14 SHEET INVER 5448273 6/22/93 9/5/95 6/22/13 THERMAL INK 5448342 12/10/93 9/5/95 6/30/13 VIRTUAL PRO 5448103 4/8/94 9/5/95 3/29/13 DEVELOPMEN 5449164 8/29/94 9/12/95 12/11/12 BINARY DIFFE 5449165 4/26/93 9/12/95 8/12/14 FULL PRODUCE 54491		4/26/14	9/12/95	4/26/94	5449182	94183
ER NUMBER DATE DATE DATE DATE DATE PATE PATE SPILLAGE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 4/18/14 REPLACEABL 5444779 4/19/93 8/22/95 10/18/13 BITMAPS 54447797 4/19/93 8/22/95 10/18/13 ELECTRONIC 5447278 12/30/93 9/5/95 12/30/13 METHOD AND DETERMINAT 5447278 12/30/93 9/5/95 12/20/14 SHEET INVER 5447279 10/26/94 9/5/95 10/26/14 SHEET INVER 5448273 6/22/93 9/5/95 6/22/13 THERMAL INK 5448342 12/10/93 9/5/95 6/30/13 VIRTUAL PRO PREPARATION FULL PRO PREPARATION PROPERTOR METHOD AND PRINTERS METHOD AND PRINTERS 5448403 4/8/94 9/5/95 9/5/12 MANIPULATIC 5449163 8/1/94 9/12/95 12/11/12 BINARY DIFF	90 DEGREE PAPER FEED TRANSITION MODULE	4/26/13	9/12/95	4/26/93	5449165	92368
ER NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 4/18/14 REPLACEABL 5444779 4/19/93 8/22/95 4/18/13 RETHOD FOR 5444797 4/19/93 8/22/95 10/18/13 ELECTRONIC 5447278 12/30/93 9/5/95 4/19/13 METHOD AND 5447278 12/30/93 9/5/95 4/19/13 METHOD AND 5447278 12/30/93 9/5/95 4/19/13 METHOD AND 5448273 6/20/94 9/5/95 6/20/14 SHEET INVER 5448277 6/30/93 9/5/95 6/22/13 THERMAL INK 5448342 12/10/93 9/5/95 6/22/13 THERMAL INK 544803 1/8/94 9/5/95 9/5/95 9/5/12 MANIPULATIC MANIPULATIC MANIPULATIC MANIPULATIC 5449163 7/29/94 9/12/95 7/29/14 GATELESS RO	SHEET INVERTER APPARATUS	8/29/14	9/12/95	8/29/94	5449164	92633
ER NUMBER DATE DATE DATE DATE DATE PATE REPLACEABL PATE	FULL PRODUCTIVITY HIGH PERFORMANCE INVERTER	8/1/14	9/12/95	8/1/94	5449163	92626
ER NUMBER DATE DATE DATE DATE DATE PATE REPLACEABL PATE	GATELESS ROCKER INVERTER	7/29/14	9/12/95	7/29/94	5449160	92628
ER NUMBER DATE DATE DATE DATE DATE DATE PATE PATE <th< td=""><td>BINARY DIFFRACTIVE OPTICAL ELEMENT SCANNER</td><td>12/11/12</td><td>9/5/95</td><td>4/8/94</td><td>5448403</td><td>92242C</td></th<>	BINARY DIFFRACTIVE OPTICAL ELEMENT SCANNER	12/11/12	9/5/95	4/8/94	5448403	92242C
ER NUMBER DATE DATE DATE DATE 54444522 4/18/94 8/22/95 4/18/14 REPLACEABL SPILLAGE 5444552 9/28/92 8/22/95 4/18/12 METHOD FOR BITMAPS 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 3 544797 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT 5447278 12/30/93 9/5/95 12/30/13 TAPE DRIVE / CONDUCTIVE 5447791 10/26/94 9/5/95 6/20/14 SHEET INVER / CONDUCTIVE 5448273 6/22/93 9/5/95 6/22/13 THERMAL INK PRO PRINTERS 5448277 6/30/93 9/5/95 6/30/13 VIRTUAL PRO PRINTERS 5448342 12/10/93 9/5/95 3/29/13 DEVELOPMEN	METHOD AND SYSTEM FOR LABELING A DOCUMENT FOR STORAGE, MANIPULATION, AND RETRIEVAL	9/5/12	9/5/95	3/20/92	5448375	91582
R NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL SPILLAGE 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR BITMAPS 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT 5447278 12/30/93 9/5/95 12/30/13 TAPE DRIVE / CONDUCTIVE DETERMINAT 5447791 10/26/94 9/5/95 6/20/14 SHEET INVER / CONDUCTIVE DETERMINAT 5448273 6/22/93 9/5/95 6/30/13 THERMAL INK DETERMINAT DETERMINAT DETERMINAT DETERMINAT DETERMINATION DETERMINAT DETERMINAT DETERMINAT DETERMINAT DETERMINATION DETERMINAT DETERMINATION DETERMINAT	DEVELOPMENT SYSTEM COATINGS	3/29/13	9/5/95	12/10/93	5448342	92568D
R NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL SPILLAGE 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR BITMAPS 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT 5447278 12/30/93 9/5/95 12/30/14 SHEET INVER AND DETERMINAT 5447791 10/26/94 9/5/95 10/26/14 SHEET INVER AND DETERMINAT 5448273 6/22/93 9/5/95 10/26/14 SHEET INVER AND DETERMINAT 5448273 6/22/93 9/5/95 10/26/14 CONDUCTIVE AND DETERMINAT 5448273 6/22/93 9/5/95 10/26/14 CONDUCTIVE AND DETERMINAT	PRINTERS	6/30/13	9/5/95	6/30/93	5448277	92377
R NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5447303 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT DETERMINAT DETERMINAT DETERMINAT SHEET INVER 5447303 6/20/94 9/5/95 12/30/14 SHEET INVER 5447791 10/26/94 9/5/95 10/26/14 CONDUCTIVER 5447791 10/26/94 9/5/95 10/26/14 PREPARATIO	THERMAL INK JET PRINTHEAD PROTECTIVE LAYERS	6/22/13	9/5/95	6/22/93	5448273	92172
R NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND 5447278 12/30/93 9/5/95 12/30/13 TAPE DRIVE / 5447303 6/20/94 9/5/95 12/30/14 SHEET INVER 5447303 6/20/94 9/5/95 12/30/14 SHEET INVER	PREPARATION THEREOF	10/20/14	8/0/80	10/26/94	544//91	94 40
R NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT 5447278 12/30/93 9/5/95 12/30/13 TAPE DRIVE /	SHEET INVERTER APPARATUS	6/20/14	9/5/95	6/20/94	5447303	93710
R NUMBER DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR BITMAPS 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC 5444797 4/19/93 8/22/95 4/19/13 METHOD AND DETERMINAT	TAPE DRIVE AND CASSETTE WITH PRECISE REGISTRATION	12/30/13	9/5/95	12/30/93	5447278	93696
R NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC	ON (PARC/FU	4/ 18/ 13	0/2/2/0	4/19/90	0444797	PX92003
ER NUMBER DATE REPLACEABL 5444522 4/18/94 8/22/95 9/28/12 METHOD FOR METHOD FOR BITMAPS 5444779 7/29/94 8/22/95 10/18/13 ELECTRONIC	APPARATIIS	1/10/13	8/22/05	1/10/03	E111707	DYD2DO2
NUMBER DATE DATE DATE DATE 5444522 4/18/94 8/22/95 4/18/14 REPLACEABLE CLEANER SL 5444552 9/28/92 8/22/95 9/28/12 METHOD FOR COMPRESSIN 5444552 9/28/92 8/22/95 9/28/12 BITMAPS	ELECTRONIC COPYRIGHT ROYALTY ACCOUNTING SYSTEM USING GLYPHS	10/18/13	8/22/95	7/29/94	5444779	93027C
NUMBER DATE DATE 54444522 4/18/94 8/22/95 4/18/14 REPLACEABLE CLEANER SL 5PILLAGE SPILLAGE		9/28/12	8/22/95	9/28/92	5444552	92119
NUMBER DATE DATE DATE	REPLACEABLE CLEANER SUBSYSTEM THAT PREVENTS PARTICLE SPILLAGE	4/18/14	8/22/95	4/18/94	5444522	92474
		DATE	DATE	DATE	NUMBER	NUMBER
PATENT FILE ISSUE EXPIRATION	ΠΠΓΕ	EXPIRATION	ISSUE	FILE	PATENT	DOCKET

DOCKET	PATENT	E F	HISSI	EXPIRATION	TITLE
NUMBER	NUMBER	DATE	DATE	DATE	
92464	5479175	9/10/93	12/26/95	9/10/13	METHOD AND APPARATUS FOR ENHANCING DISCHARGED AREA DEVELOPED REGIONS IN A TRI-LEVEL PRINTING SYSTEM
92062	5479241	1/19/93	12/26/95	1/19/13	METHOD AND APPARATUS FOR DETERMINING AND UPDATING A PHOTORECEPTOR BELT STEERING COEFFICIENT IN A BELT TRACKING SYSTEM
93387	5479249	3/28/94	12/26/95	3/28/14	BRUSH CLEANER WITH ROLL DETONING AND AIR WASTE REMOVAL
92306	5479263	7/1/93		7/1/13	GRAY PIXEL HALFTONE ENCODER
921361	5479289	7/20/94	12/26/95	12/26/12	METHOD AND APPARATUS FOR PREPARING IMAGED LIGHT
94284	5479583	5/2/94	12/26/95	5/2/14	MEANS TO ACHIEVE A SQUARE INTENSITY PROFILE AT AN IMAGE PLANE
91305	5479584	8/28/92	12/26/95	12/26/12	ENHANCED FIDELITY REPRODUCTION OF IMAGES WITH DEVICE
92494Q2	5479603	7/21/93	12/26/95	7/21/13	METHOD AND APPARATUS FOR PRODUCING A COMPOSITE SECOND IMAGE IN THE SPATIAL CONTEXT OF A FIRST IMAGE
93167	5479968	8/16/93	1/2/96	8/16/13	
93130	5480528	2/25/94	1/2/96	2/25/14	BRUSHLESS ELECTRODEPOSITION APPARATUS
92618	5480751	6/30/94	1/2/96	6/30/14	SCOROTRON WITH FRONT ERASE
94168	5480756	10/31/94	1/2/96	10/31/14	HIGH GLOSS, LOW MELT CROSSLINKED RESINS AND TONERS
93151	5480938	11/22/93	1/2/96	11/22/13	LOW SURFACE ENERGY MATERIAL
93171	5481142	7/1/94	1/2/96	7/1/14	TUNED VIBRATION ABSORBERS FOR AC MOTORS
93104	5481341	8/18/93	1/2/96	8/18/13	ROLLER FOR CONTROLLING APPLICATION OF CARRIER LIQUID
94118	5481353	10/31/94	1/2/96	10/31/14	APPARATUS FOR PRODUCING VARIABLE FEATURE PRESENTATION SETS
R94001	5482511	1/19/95	1/9/96	1/19/15	
93407	5482741	7/6/94	1/9/96	7/6/14	SURFACE-TREATED CHARGE CONTROL AGENTS, AND METHOD FOR PRODUCING THE SAME
94742Q	5482805	10/31/94	1/9/96	10/31/14	MAGNETIC TONER COMPOSITIONS WITH ALUMINUM OXIDE, STRONTIUM TITANATE AND POLYVINYLIDENE FLUORIDE
93589	5482811	10/31/94	1/9/96	10/31/14	METHOD OF MAKING HYDROXYGALLIUM PHTHALOCYANINE TYPE V PHOTOCONDUCTIVE IMAGING MEMBERS
93591	5482812	11/23/94	1/9/96	11/23/14	WAX CONTAINING TONER AGGREGATION PROCESSES
93470	5483265	1/3/94	1/9/96	1/3/14	MINIMIZATION OF MISSING DROPLETS IN A THERMAL INK JET PRINTER BY DROP VOLUME CONTROL
93506	5483331	12/16/93	1/9/96	12/16/13	TEXTURED CONTACT ROLLERS AND THE METHOD OF USING THEM FOR IMPROVING ELECTRICAL CONTACT WITH A FUSER BELT FUSING
92151C	5483351	5/8/95	1/9/96	1/9/13	DILATION OF IMAGES WITHOUT RESOLUTION CONVERSION TO
92524	5483360	6/6/94	1/9/96	6/6/14	

Page 160 of 374

U
$\boldsymbol{\sigma}$
ã
ወ
>
മ
5
으
ω
7
4

2000		1	100111	EVDIDATION	T T =
NUMBER	NUMBER	DATE	DATE	DATE	
90621	5495339	8/19/91	2/27/96	2/27/13	SCHEDULING MULTIPLE DISK REQUESTS AND WRITING DATA BUFFERS TO DISK
92384C	5495538	3/8/95	2/27/96	5/28/13	SEGMENTATION-BASED JPEG IMAGE ARTIFACTS REDUCTION
92160		6/3/92	2/27/96	2/27/13	CONVERSION OF QUERIES TO MONOTONICALLY INCREASING INCREMENTS FORM TO CONTINUOUSLY QUERY A APPEND ONLY DATABASE
94052	5496019	4/25/94	3/5/96	4/25/14	DUAL FUNCTION SHEET FEEDER
93628	5496159	3/22/94	3/5/96	3/22/14	ROTARY DISPLACEMENT PUMP HAVING A SEPARABLE MEMBER THAT CONTROLS THE FLUID FLOWPATH
94797	5496616	12/27/94	3/5/96	12/27/14	OPTICAL ELEMENT FOR CORRECTING NON-UNIFORM DIFFRACTION
					ETTICIENCY IN A DINARY DITTONOLOGIC OF LICAL FEEWEN.
93586	5496675	6/27/94	3/5/96	6/27/14	CARRIER COATING AND PROCESSES
94458	5496676	3/27/95	3/5/96	3/27/15	TONER AGGREGATION PROCESSES
93419	5496985	4/1/94	3/5/96	4/1/14	LASER ABLATION NOZZLE
93717	5497174	3/11/94	3/5/96	3/11/14	VOLTAGE DROP CORRECTION FOR INK JET PRINTER
91289	5497181	6/29/92	3/5/96	3/5/13	DYNAMIC CONTROL OF INDIVIDUAL SPOT EXPOSURE IN AN OPTICAL OUTPUT DEVICE
94541	5497218	8/24/94	3/5/96	8/24/14	THREE POINT THERMISTOR TEMPERATURE SET UP
93084C	5497391	9/19/94	3/5/96	4/20/13	MONOLITHIC ARRAY OF INDEPENDENTLY ADDRESSABLE DIODE LASERS
92353C	5497480	7/29/94	3/5/96	7/29/14	BROADCAST DEMAP FOR DEALLOCATING MEMORY PAGES IN A
95112	5498679	3/30/95	3/12/96	3/30/15	PROCESS FOR PRODUCING TELECHELIC, BRANCHED AND STAR THERMOPLASTIC RESIN POLYMERS
92110C	5498869	6/1/95	3/12/96	12/20/13	METHOD AND APPARATUS FOR WOBBLE CORRECTION USING AN AGILE BEAM POLYGON ROS AND ALL-SPHERICAL OPTICS
93536	5499084	3/14/94	3/12/96	3/14/14	DEVELOPMENT SYSTEM FOR USE IN A COLOR PRINTER
92497C	5499357	8/19/94	3/12/96	5/28/13	PROCESS FOR CONFIGURATION MANAGEMENT
91200	5499879	4/28/94	3/19/96	4/28/14	RIBBON CASSETTE DRIVE SYSTEM METHOD AND APPARATUS FOR PORTABLE COPIERS AND PRINTERS
94434	5500105	12/1/94	3/19/96	12/1/14	BOWED SHAPE ELECTROFORMS
93086	5500298	6/29/93	3/19/96	6/29/13	FUSING COMPONENTS CONTAINING TITAMER COMPOSITIONS
93086Q	5500299	6/29/93	3/19/96	6/29/13	FUSING COMPONENTS CONTAINING GRAFTED TITAMER COMPOSITIONS
94657	5500324	10/31/94	3/19/96	10/31/14	
93057	5500659	11/15/93	3/19/96	11/15/13	METHOD AND APPARATUS FOR CLEANING A PRINTHEAD MAINTENANCE
93593	5500668	2/15/94	3/19/96	2/15/14	RECORDING SHEETS FOR PRINTING PROCESSES USING MICROWAVE

age.	J	
	2	
0/4	77.	

TOOKET	DATENT		100115	EVEIDATION	7 ITH
NUMBER	NUMBER	DATE	DATE	DATE	
93197	5504462	9/10/93	4/2/96	9/10/13	APPARATUS FOR ENHANCING PIXEL ADDRESSABILITY IN A PULSE WIDTH AND POSITION MODUL ATED SYSTEM
92188C	5504507	4/17/95	4/2/96	4/2/13	ELECTRONICALLY READABLE PERFORMANCE DATA ON A THERMAL INK JET PRINTHEAD CHIP
94427	5504562	8/29/94	4/2/96	8/29/14	OIH
86305QC	5504563	4/5/95	4/2/96	4/2/13	SCAVENGELESS DONOR ROLL DEVELOPMENT
92631	5504564	12/9/94	4/2/96	12/9/14	VIBRATORY ASSISTED DIRECT MARKING METHOD AND APPARATUS
94883	5504566	5/5/95	4/2/96	5/5/15	DUAL METERING BLADE FOR FUSING COLOR TONER IMAGES
94660	5504568	4/21/95	4/2/96	4/21/15	PRINT SEQUENCE SCHEDULING FOR DUPLEX PRINTING APPARATUS
91287C	5504597	6/5/95	4/2/96	4/2/13	RETMEEN DHOSDHOR EMITTERS AND LIQUID CRYSTAL DISPLAY
91287D2	5504598	5/25/95	4/2/96	4/2/13	LARGE SCREEN FULL COLOR DISPLAY WITH PLURAL ADJACENT DISPLAY PANELS AND ENLARGING GRADED INDEX LENS ARRAY
93669	5504696	1/3/94	4/2/96	1/3/14	USER INTERFACE CALIBRATION AND ALIGNMENT DEVICE
92659C	5504843	6/6/95	4/2/96	4/2/13	APPARATUS AND METHOD FOR PROCESSING A STREAM OF IMAGE DATA IN A PRINTING SYSTEM
94486	5506083	1/27/95	4/9/96	1/27/15	CONDUCTIVE DEVELOPER COMPOSITIONS WITH WAX AND COMPATIBILIZER
93054D	5506610	1/30/95	4/9/96	5/4/13	BACK SIDE RELIEF ON THERMAL INK JET DIE ASSEMBLY
93239	5506614	7/12/93	4/9/96	7/12/13	SELECTIVE OPTICAL ELEMENTS FOR MULTIWAVELENGTH ELECTRONIC PRINT HEADS
93456	5506660	9/6/94	4/9/96	9/6/14	MULTI-PITCH PAPER AND IMAGE HANDLING ON SEAMED BELT
94775	5506663	11/7/94	4/9/96	11/7/14	SCANNER MOUNTING APPARATUS FOR AN ELECTROSTATOGRAPHIC PRINTING MACHINE
94296	5506745	8/5/94	4/9/96	8/5/14	HOLLOW CONFORMABLE TRANSFER CHARGE ROLL
A0280	5507864	11/14/94	4/16/96	11/14/14	PHASE CHANGE INK COMPOSITION EMPLOYING A COMBINATION OF DYES
94309	5508513	12/9/94	4/16/96	12/9/14	FIBER OPTIC SCANNING BEAM DETECTOR
94096	5508789	11/22/94	4/16/96	11/22/14	APPARATUS AND METHOD TO CONTROL AND CALIBRATE DELIBERATE SPEED MISMATCH IN COLOR IOTS
93220	5509024	11/28/94	4/16/96	11/28/14	DIODE LASER WITH TUNNEL BARRIER LAYER
93349	5509088	12/6/93	4/16/96	12/6/13	METHOD FOR CONVERTING CCITT COMPRESSED DATA USING A BALANCED TREE
92644	5509108	9/30/93	4/16/96	9/30/13	APPARATUS AND METHOD FOR CONTROLLING A PRINTING MACHINE
93397	5509114	12/30/93	4/16/96	12/30/13	METHOD AND APPARATUS FOR CORRECTING AND/OR ABORTING COMMAND GESTURES IN A GESTURE BASED INPUT SYSTEM
94487	5510220	1/27/95	4/23/96	1/27/15	CONDUCTIVE DEVELOPER COMPOSITIONS WITH SURFACE ADDITIVES

1	03015 5533850	95077 5532849	94213 5532845				8	905311 5532103	94482 5532102	94141 5532098	93574 5532093	944300 3332092		93575 5531872		94561 5531815	935691 5531813	93400D 5530776	93679 5530642	94741 5530624					94418 5530533		55	DOCKET P
																												PATENT
0/43/05	1/10/94	3/10/95	11/21/94	11///84	11/7/01		2/27/95	2/14/94	3/30/95	9/5/95	2/27/95	1/24/30	70/VCIV	8/11/94	12/1/94	6/7/95	9/29/94	1/9/95	11/14/94	1/3/95	12/30/93	9/15/94	12/10/93	6/30/95	3/6/95	12/21/94	5/4/95	FILE DATE
7/2/06	7/2/96	7/2/96	7/2/96	112/90	7/2/06		7/2/96	7/2/96	7/2/96	7/2/96	7/2/96	112190	7/2/06	7/2/96	7/2/96	7/2/96	7/2/96	6/25/96	6/25/96	6/25/96	9/20/96	6/25/96	6/25/96	6/25/96	6/25/96	6/25/96	6/25/96	ISSUE DATE
7/2/13	1/10/14	3/10/15	11/21/14		11/7/1/		2/27/15	7/2/13	3/30/15	9/5/15	2/27/15	1	10/31/14	8/11/14	12/1/14	6/7/15	12/10/13	9/24/13	11/14/14	1/3/15	12/30/13	9/15/14	12/10/13	6/30/15	3/6/15	12/21/14	5/4/15	EXPIRATION DATE
	FLECTRO-OPTICAL DEVICE FOR VARIABLE SCAN WIDTH	FACSIMILE WITH LOCAL CORRECTION OF TRC BASED ON DESTINATION	PLURALITY OF SCANNING UNITS	5	SIMPLIFIED DOCUMENT HANDLER TOB RECOVERY SYSTEM WITH	INCORPORATING THESE COPOLYMERS AND METHOD FOR THE MANUFACTURE THEREOF	RANDOM COPOLYMERS MADE BY ANIONIC POLYMERIZATION, TONERS	MULTILAYER ELECTROPHOTOGRAPHIC IMAGING MEMBER	APPARATUS AND PROCESS FOR PREPARATION OF MIGRATION IMAGING MEMBERS	TONER COMPOSITIONS WITH NEGATIVE CHARGE ENHANCING ADDITIVES	IMAGING MEMBER	1 9	EDGE RAGGEDNESS AND BACKGROUND REMOVAL BY POST	PROCESSES FOR PREPARING PHOTOCONDUCTIVE MEMBERS BY	INK JET INK COMPOSITIONS AND PRINTING PROCESSES		FUSING SYSTEM WITH MONOAMINO FUNCTIONAL SILICONE RELEASE AGENT	WRITE HEAD FOR A MICR READER HAVING AN ADJUSTABLE FIELD PROFILE	OUTPUT SCANNER		APPARATUS OCCUPAND ATTAINATION ON COUNTRY ON CELIMINATION OF THE MILE OF THE PROPERTY OF THE	METEOD AND ADDADATION FOR LUBBICATING AN ELEMENT IN A DRINTING	LCW MODULOG TOGET MEMBER	TRANSFUSING ASSEMBLY	HIGH SOLIDS TONER REDISPERSION	FLUID SENSING APPARATUS	MODULAR CHARGING DEVICE FOR IMAGING SYSTEM	TITLE

Page 175 of 374 6/25/03

	7.47.17	7	5	14011	TITI C
NUMBER	NUMBER	DATE	DATE	DATE	
94211	5533144	10/17/94	7/2/96	10/17/14	ANTI-COUNTERFEIT PATTERN DETECTOR AND METHOD
	5533172	12/16/93	7/2/96	12/16/13	METHOD OF PRINTING A PRINT JOB WITH A PRINT FILE
87007D1C C	5533183	2/27/95	7/2/96	7/2/13	USER INTERFACE WITH MULTIPLE WORKSPACES FOR SHARING DISPLAYSYSTEM OBJECTS
2646	5533193	6/24/94	7/2/96	6/24/14	A METHOD OF SAVING MACHINE FAULT INFORMATION INCLUDING TRANSFERRING SAID INFORMATION TO ANOTHER MEMORY WHEN AN OCCURRENCE OF PREDETERMINED EVENTS OR FAULTS OF A REPRODUCTION MACHINE IS RECOGNIZED
93342	5533473	6/19/95	7/9/96	6/19/15	OPTICALLY SWITCHED HIGH VOLTAGE DISTRIBUTOR
	5533720	6/29/94	7/9/96	6/29/14	SHEET CONTROL BAFFLE FOR USE IN AN ELECTROPHOTOGRAPHIC PRINTING MACHINE
94562	5534050	5/25/95	7/9/96	5/25/15	THERMAL INK JET COMPOSITION
	5534172	3/14/95	7/9/96	7/9/13	CUTTING FLUID
	5534374	5/1/95	7/9/96	5/1/15	MIGRATION IMAGING MEMBERS
95139	5534376	8/3/95	7/9/96	8/3/15	TETRAFLUORO HYDROXYGALLIUM PHTHALOCYANINES AND PHOTOCONDUCTIVE IMAGING MEMBERS
930931	5534379	6/7/95	7/9/96	6/20/14	ENVIRONMENTALLY FRIENDLY TONER COMPOSITION
94196	5534895	6/30/94	7/9/96	6/30/14	ELECTRONIC AUTO-CORRECTION OF MISALIGNED SEGMENTED PRINTBARS
92529	5534897	7/1/93	7/9/96	7/9/13	INK JET MAINTENANCE SUBSYSTEM
	5534901	6/6/94	7/9/96	6/6/14	INK JET PRINTHEAD HAVING A FLAT SURFACE HEATER PLATE
93705	5534902	4/1/94	7/8/96	4/1/14	HOLDDOWN STRUCTURES FOR RECORDING MEDIUM HAVING CURL
95135	5534964	5/4/95	7/9/96	5/4/15	FILM LOADING PINS AND METHOD FOR EXTERNAL DRUM SCANNERS
94020	5534975	5/26/95	7/9/96	5/26/15	DOCUMENT PROCESSING SYSTEM UTILIZING DOCUMENT SERVICE CARDS TO PROVIDE DOCUMENT PROCESSING SERVICES
94517	5534988	6/7/95	7/9/96	6/7/15	RETRACTION ACTIVATED WASTE BOTTLE MECHANISM FOR UNIFORM TONER DISTRIBUTION
95103	5534989	6/7/95	7/9/96	6/7/15	SEPARATING DOCUMENT TRAYS IMAGING SYSTEM
95098	5534990	3/31/95	7/9/96	3/31/15	FULL COLOR PRINTING SYSTEM USING A PENTA-LEVEL XEROGRAPHIC UNIT
93671	5535019	9/15/94	7/9/96	9/15/14	ERROR DIFFUSION HALFTONING WITH HOMOGENEOUS RESPONSE IN HIGH/LOW INTENSITY IMAGE REGIONS
R91002C	5535063	1/26/95	7/9/96	7/9/13	REAL TIME USER INDEXING OF RANDOM ACCESS TIME STAMP CORRELATED DATABASES
92685	5535312	1/28/93	7/9/96	7/9/13	APPARATUS AND METHOD FOR MANAGING MEMORY IN A PRINTING SYSTEM
95259	5536608 5536613	9/15/95	7/16/96	9/15/15	IMAGING PROCESSES USING CYAN AND BLACK TONERS PROCESSES FOR PREPARING TONER
	00000 TO	2/23/95	06/91//	12/23/15	TXCCTUUUTU TCX TXTTAXING ICNTX

Page 176 of 374

6/25/03

ס
ω
Ω
Œ
<u>~</u>
_
으
ü
~
7
-

DOCKET	PATENT	FLE	ISSUE	EXPIRATION	TITLE
92521C	5553171	7/26/95	9/3/96	11/1/13	APPARATUS AND METHOD FOR ARBITRARY BINARY RESOLUTION
					CONVERSION
93076	5553224	8/4/93	9/3/96	9/3/13	METHOD FOR DYNAMICALLY MAINTAINING MULTIPLE STRUCTURAL INTERPRETATIONS IN A GRAPHICS SYSTEM
86326CCD	5553283	5/30/95	9/3/96	9/3/13	STORED MAPPING DATA WITH INFORMATION FOR SKIPPING BRANCHES WITH E KEEDING COLUNT OF STIFFIY ENDINGS (B) IF 1.60 CONTINITATION)
95020	5553528	3/13/95	9/10/96	3/13/15	SLITTER FOR A DESKTOP PAGE PRINTER
94493	5553843	12/13/94	9/10/96	12/13/14	ADAPTER SYSTEM TO INTEGRATE REPRODUCTION APPARATUS TO SHEET
A0281	5554212	10/30/95	9/10/96	10/30/15	WATERFAST HIGH GLOSS HYPERTHERMOGELLING AQUEOUS PHASE
		1			CHANGE INK AND METHOD FOR USE
94462	5554213	12/1/94	9/10/96	12/1/14	INK COMPOSITIONS FOR INK JET PRINTING
94841	5554469	12/1/95	9/10/96	12/1/15	CHARGING PROCESSES WITH LIQUID COMPOSITIONS
948011	5554470	5/2/95	9/10/96	12/9/14	PROCESS AND APPARATUS FOR MANUFACTURING MIGRATION IMAGING
95265	5554471	10/12/95	9/10/96	10/12/15	COMBINATION OF TONERS
93411	5554480	9/1/94	9/10/96	9/1/14	FLUORESCENT TONER PROCESSES
94294	5555077	12/1/94	9/10/96	12/1/14	PRINTER HAVING AN ACTIVE USER INTERFACE FEATURE
94082	5555083	10/3/94	9/10/96	10/3/14	DECURLER APPARATUS FOR REDUCING CROSS CURL IN SHEETS
95294	5555084	8/28/95	9/10/96	8/28/15	APPARATUS FOR SHEET TO IMAGE REGISTRATION
93661Q	5555184	8/29/94	9/10/96	8/29/14	DEVELOPER ROLLER ASSEMBLY AND METHOD FOR MAKING SAME
95399	5555328	8/14/95	9/10/96	8/14/15	TOTAL INTERNAL REFLECTION KNIFE EDGE
93335	5555376	12/3/93	9/10/96	12/3/13	METHOD FOR GRANTING A USER REQUEST HAVING LOCATIONAL AND CONTEXTUAL ATTRIBUTES CONSISTENT WITH USER POLICIES FOR DEVICES HAVING LOCATIONAL ATTRIBUTES CONSISTENT WITH THE USER
94400	5555433	6/13/94	9/10/96	6/13/14	CIRCUIT FOR INTERFACING DATA BUSSES
93664	5555461	1/3/94	9/10/96	1/3/14	SELF CLEANING WIPER BLADE FOR CLEANING NOZZLE FACES OF INK JET PRINTHEADS
PX94001	5555556	9/30/94	9/10/96	9/30/14	METHOD AND APPARATUS FOR DOCUMENT SEGMENTATION BY BACKGROUND ANALYSIS (PARC/FUJI XEROX)
90427IC	5555557	11/14/94	9/10/96	9/10/13	N FOR WRIT
95263	5556727	10/12/95	9/17/96	10/12/15	COLORED TONER METHOD AND APPARATUS FOR USE
93649	5556732	5/30/95	9/17/96	5/30/15	,
94410	5557367	3/27/95	9/17/96	3/27/15	METHOD AND APPARATUS FOR OPTIMIZING SCHEDULING IN IMAGING DEVICES

DOCKET NUMBER 95635Q2D D D 97499 98177	PATENT NUMBER 6323301 6323957 6324305	FILE DATE 8/10/00 6/1/98 12/22/98	ISSUE DATE 11/27/01 11/27/01 11/27/01	EXPIRATION DATE 8/10/20 6/1/18 12/22/18	TITLE IMPROVED HIGH PERFORMANCE POLYMER COMPOSITIONS BACKGROUND NOISE REMOVAL FOR LOW-COST DIGITAL COLOR COPIER METHOD AND APPARATUS FOR SEGMENTING A COMPOSITE IMAGE INTO
98496	6324551	8/31/98	11/27/01	8/31/18	SELF CONTAINED DOCUMENT MANAGEMENT BASED ON DOCUMENT PROPERTIES
R98007	6325369	9/27/99	12/4/01	9/27/19	SHEET FEEDING APPARATUS
98751	6325487	6/30/99	12/4/01	6/30/19	SYSTEMS AND METHODS FOR GENERATING HIGH ADDRESSABILITY IMAGES
97658D	6326085	11/2/00	12/4/01	3/12/18	COATED PHOTOGRAPHIC PAPER
A0573	6326111	11/15/00	12/4/01	11/15/20	STABLE CHARGE TRANSPORT LAYER DISPERSION CONTAINING POLYTETRAFLUOROETHYLENE PARTICLES AND HYDROPHOBIC SILICA PARTICLES
A0013	6326118	9/5/00	12/4/01	9/5/20	SURFACE ALLOYED CORES FOR ELECTROSTATOGRAPHIC CARRIERS AND DEVELOPERS
99802	6326119	3/7/00	12/4/01	3/7/20	TONER AND DEVELOPER PROVIDING OFFSET LITHOGRAPHY PRINT QUALITY
98604	6326898	10/24/00	12/4/01	10/24/20	SOLENOID PLUNGER POSITION DETECTION ALGORITHM
98586Q	6326946	9/17/98	12/4/01	9/17/18	OPERATOR ICONS FOR INFORMATION COLLAGES
93174C	6326983	11/7/95	12/4/01	11/7/15	STRUCTURED IMAGE (SI) FORMAT FOR DESCRIBING COMPLEX COLOR RASTER IMAGES
942411	6327043	9/18/96	12/4/01	5/8/14	OBJECT OPTIMIZED PRINTING SYSTEM AND METHOD
96796Q2I	6327395	8/31/98	12/4/01	12/20/16	GLYPH ADDRESS CARPET METHODS AND APARATUS FOR PROVIDING LOCATION INFORMATION IN A MULTIDIMENSIONAL ADDRESS SPACE
98044	6327452	2/14/00	12/4/01	2/14/20	DONOR ROLLS AND METHODS OF MAKING DONOR ROLLS
99610	6327454	9/13/00	12/4/01	9/13/20	IMAGABLE SEAMED BELTS HAVING FLUOROPOLYMER ADHESIVE BETWEEN INTERLOCKING SEAMING MEMBERS
99274	6327590	5/5/99	12/4/01	5/5/19	SYSTEM AND METHOD FOR COLLABORATIVE RANKING OF SEARCH RESULTS EMPLOYING USER AND GROUP PROFILES DERIVED FROM DOCUMENT COLLECTION CONTENT ANALYSIS
99582	6327909	11/30/99	12/11/01	11/30/19	BISTABLE MECHANICAL SENSORS CAPABLE OF THRESHOLD DETECTION AND AUTOMATIC ELIMINATION OF EXCESSIVELY HIGH AMPLITUDE DATA
94834ID	6328393	10/31/00	12/11/01	6/25/15	PIGMENT INK JET INK COMPOSITIONS FOR HIGH RESOLUTION PRINTING
98035	6328407	1/19/99	12/11/01	1/19/19	METHOD AND APPARATUS OF PREWARMING A PRINTHEAD USING PREPULSES
98562	6328409	9/30/98	12/11/01	9/30/18	BALLISTIC AEROSOL MARKING APPARATUS FOR MARKING WITH A LIQUID MATERIAL

PATENT

REEL: 034474 FRAME: 0578 RECORDED: 11/26/2014