

FORM PTO-1595
(Rev. 6-93
OMB No. 0651-0011 (exp 4/94)

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF
COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

COLORSPAN CORPORATION

 Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Other _____

2. Name and address of receiving party(ies)
 Name:

MAC DERMID ACUMEN, INC.
245 FREIGHT STREET
WATERBURY, CT 06702

 Additional name(s) & address(es) attached? Yes No

Execution Date: JUNE 13, 2000

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

6,220,693

Additional numbers attached: Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

 Name: John L. Cordani, Esq.

 Internal Address Carmody & Torrance LLP

 Street Address: 50 Leavenworth Street
P.O. Box 1110

 City: Waterbury State: CT ZIP: 06721

 Tel. : (203) 578-4271

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

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Authorized to be charged to deposit account below.

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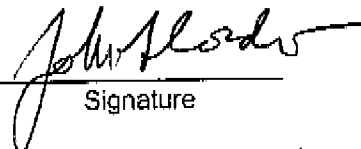
9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John L. Cordani, Esq., Reg. No. 37,297
Name of Person Signing

Signature

Date

Customer No.



8-16-04

Total number of pages including cover sheet, attachments, and document: 41

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
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CH \$40.00 600447 6220693

PATENT ASSIGNMENT

ASSIGNMENT dated as of June 17, 2000 by and between COLORSPAN CORPORATION, a Minnesota Corporation having a principal place of business in Eden Prairie, Minnesota ("ColorSpan") and MACDERMID ACUMEN, INC., a Delaware corporation having a principal place of business in Waterbury, Connecticut ("Assignee").

WITNESSETH:

WHEREAS, Assignee and ColorSpan are parties to a certain Asset Purchase Agreement dated June 7, 2000 (the "Sale Agreement"), providing for the sale by ColorSpan and its affiliates of substantially all of the assets of the Business (as defined in the Sale Agreement) to Assignee and its affiliate.

WHEREAS, ColorSpan is the owner of the patents and patent applications listed on the attached Schedule A attached hereto (the "Patents"); and

WHEREAS, in connection with the transactions contemplated by the Sale Agreement, ColorSpan wishes to assign to Assignee its entire right, title and interest in and to the Patents and the know-how relating thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, ColorSpan hereby sells, assigns, transfers and sets over, unto Assignee, its successors and assigns, its entire right, title and interest in and to the Patents, together with the know-how relating thereto.

IN WITNESS WHEREOF, the undersigned set s his hand this 17th day of June, 2000.

COLORSPAN CORPORATION

By: Melvin Masters, CEO
Its: Chief Executive Officer

State of Connecticut

County of New Haven

} ss Waterbury CT

On this 13th day of June, 2000, before me personally appeared Melvin Masters, known to me and known to me to be the person mentioned in the and who executed the foregoing Assignment, and he duly acknowledged to me that he executed the same of his free will and for the purpose set forth herein.

[Signature]
Notary Public
My Commission expires:

My commission Exp. Oct. 31, 2000

Patents

LM Doc#	External Doc#	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventors	Notes 1	Notes 2
A-DRIVE:US:01		Athens	FabJet	Filed	09/451,694	11/30/99				Apparatus for Maintaining Web Tension in a Textile Printing Medium Disposed in an Ink Jet Print Engine	D. Jankovich, L. Genter, S. Utkas	Filed patent app.	
A-DRYER:US:01		Athens	FabJet	Filed	09/452,323	11/30/99				Auxiliary Undercoat Media Dyer	S. Utkas, R. Schmidt	11/30/99-Filed patent app.	
A-GRIT:US:01		Athens	FabJet	Filed	09/452,324	11/30/99				Full-Web Grit Roller for a Large Format Ink Jet Print Engine	K. Crystal	11/30/99-Filed patent app.	
A-NOPLAT:US:01		Athens	FabJet	Filed	09/451,692	11/30/99				Printing Zone Specially Adapted for Roll-Type Printing Media	K. Crystal, A. Barclay	11/30/99-Filed patent app.	
A-WEBS:US:01		Athens	FabJet	Filed	09/451,398	11/30/99				Apparatus for Improving Cross-Web Tension in an Ink Jet Print Engine	D. Jankovich, K. Crystal, S. Utkas, R. Schmidt	11/30/99-Filed patent app.	
A3 Oversez:01US:01	1059.2D-US-01	A3 Oversez Processor	Unity	Abandoned	09/157,966	1/24/03				Process For Printing Oversize A3 Images On An Electrophotographic Device.	G. Denker, S. Mann, M. Kubick	Did not pay issue fee on 8/15/05, case abandoned. Sent to archive on 5/7/07.	
A3 Oversez:01WO:01	1059.2D-WO-01	A3 Oversez Processor	Unity	Abandoned	PCT/US94/13450	11/20/94		Name pending.		Process For Printing Oversize A3 Images On An Electrophotographic Device.	G. Denker, S. Mann, M. Kubick	TO ABANDON BY INACTION.	

PATENT

Continuing Ink for Inkjet System for Disposal of Ink Cartridges
Continuing Ink for Inkjet System for Disposal of Ink Cartridges
Continuing Ink for Inkjet System for Disposal of Ink Cartridges

LM Doc#	Doc#	Exempt Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventor	Notes	Next
BIDS 02:US:01	1056.26-US-02	BIDS 2 - Continuing on	BIDS 2 - Continuing on		Issued	138,576	10/20/83	11/22/84			Automatic Ink Refill System for Disposal of Ink Jet Cartr.	P. Erickson	"BIDS II"	
BIDS 14:US:01	1056.26-US-02	BIDS IV	BIDS IV		Issued	04972,629	11/18/97	3/2/99			Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Continuation of BIDS II. Filed 4/18/97. 04972,629. Newable, which is abandoned, which was a continuation of BIDS II, which was filed 10/20/83. Cont'd of BIDS II.	
BIDS VI:US:01	1056.26-US-03	BIDS VI	BIDS VI		Filed	App. # 09757,450					Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Filed 3/17/99. which is a CIP of BIDS VI.	
BIDS 01:AU:01	1056.18-AU-01	BIDS I	BIDS I	All Color Engines & All Inks	Abandoned	74235/84	9/2/84				Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Notified associate to abandon case on 9/13/85. Sent to archive on 5/7/97.	
BIDS 01:AU:02	1056.18-AU-02	BIDS I	BIDS I	All Color Engines & All Inks	Abandoned	11896/85	10/28/84				Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Notified associate to abandon case on 9/13/85. Sent to archive on 5/7/97.	
BIDS 01:BE:01	1057.18-BE-01	BIDS I	BIDS I	All Color Engines & All Inks	Filed	8409332	5/27/84		None pending		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Amendments to application and claims, conversion to short term patent, request for early grant and publication 10/21/98.	

PATENT

168-129

P.04

T-51

2155683439

168-129 P.04 T-51 2155683439

External Doc#	Project	Related Products	Status	Serial #	Filing Date	Inventor	Action Date	Action Items	Title	Inventors	Notes	Notes 2
BIDS:01:DE:01	1988.18-DE-01	BIDS	Filed	P44 25 594.9	7/20/94	P. Erickson	8/24/99- Asked German assoc. to respond to opposition, was granted a 2-yrth extension. 1/27/98 rec'd Mr. from P & K staffing their German assoc. confirmed that papers have been filed with German PO responding to 8/22/97 office action. The next paper from G	Continuous Ink Jet System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	1/23/98-8th annuity pym. Has been paid. Amendment to specification and claims 10/28/94 with request for utility model patent. Published 34/85, Pub. No. DE4423694. Office action response due 5/12/95; extended to 8/7/95. Annuity due 7/20/98.		
BIDS:01:DE:02	1058.18-DE-02	All Color Engines & All Inks	Filed	G 94 17 706.7	7/20/94	P. Erickson	12/14/99- patent renewed until 7/20/00. \$11,637- rec'd confirmation that 4th annuity fee has been paid and patent renewed until 7/20/00.	Continuous Ink Jet System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Regis Inition granted 1/26/95. Patent App. #P-4455004.8		

PATENT

Friday, June 04, 2000

External Doc#	Project	Related Projects	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes	Notes 2
BIDS:01:EP:01	BIDS - PCT/EPO	All Color Engines & All Inks	Filed	3/8/94	3/8/94		None pending.		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson		
BIDS:01:FR:01	BIDS	All Color Engines & All Inks	Issued	94-08303	7/27/94	2/8/96	Maintenance fee due 7/27/96	7/27/96	Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	5/18/96-Sant P&K approval to pay 9th annuity fee. Recl br. 4/3/98 from P&K respecting the original French Letters Patent. Patent issued on 2/6/98 under Patent #2,707,919. Expires 7/27/2014. Next main. fee due 7/27/98.	
BIDS:01:GB:01	BIDS	All Color Engines & All Inks	Filed	8418697	5/16/94		Issued.		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	5/16/99-Sant P&K approval to pay 9th annuity fee. Filing confirmation 10/10/94. Search report 12/12/94. Exam request 1/12/95. Application accepted 1/21/97. Recl Certificate of Grant 3/25/97.	
BIDS:01:IL:01	BIDS	All Color Engines & All Inks	Abandoned	111330	10/18/94		None pending.		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Sent P&K memo on 7/10/95 to abandon case. Re-asked to archive on 5/7/97.	

PATENT

L-M Doc#	External Doc#	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventors	Notes 1	Notes 2
BIDS:01:JP:01	1056.18-3P-01	BIDS	All Color Engines & All Inks	Filed	20705279 S4	8/31/94		None pending.		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	Laid open 5/8/95; Pub. No. 117235/1995. Delay excused until actual infringement occurs NLT 8/31/91.	
BIDS:01:MX:01	1056.18-NX-01	BIDS	All Color Engines & All Inks	Filed	948082	10/19/94		None pending.		Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	6/10/99-Rec'd ltr. From P&K indicating the MX exam. Requires claims of ltr app. conformed to 429, not 727. Amendment to claims 10/21/94. Amendment to specification 10/26/94, C.A. due 10/19/95	
BIDS:01:NL:01	1056.18-NL-01	BIDS	All Color Engines & All Inks	Filed	9400835	5/20/94		1/14/98-5th annuity fee due 5/20/98, disbursement is \$287.08. Send instrum. to pay or not by 4/20/98.	4/20/98	Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.	P. Erickson	7/8/99-Rec'd ltr. From P&K confirming that the 6th annuity fee has been paid, renewed until 9/20/2000. Search report 11/7/94. Genus patents identified 11/7/94. Pay annuity fee on 5/20/98 \$313.05. Pay annuity fee on 5/20/97-\$301.36.	

PATENT

REF ID: A615056 FRAME 0742

L.M. Docket # Estimated Docket # Project Related Problems Status Serial # Filing Date Issue Date Action Items Action Date Title Inventor News 2 News 3

BIDS1-01-SF-01 1036.18-2A-01 BIDS1 All Color Engines & All Inks Abandoned 94/E215 10/19/84

BIDS1-01-US-01 US1055.18-US-01 BIDS1 - Passive Ink Supply (US) All Color Engines & All Inks Issued 08/139,375 10/20/93 11/29/94 The 1st maintenance fee due 5/28/98. Large andly disbursement (1s \$1075, 2nd \$1075) about half. Need instrud. to pay or not by 4/29/98

BIDS1-01-US-02 US1056.18-US-01 BIDS1 - Continual on All Color Engines & All Inks Filed 08/604,401 2/21/96 *staff* None pending

Sent memo to P&K to abandon case on 7/1/95. File sent to archives on 5/7/97.

Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.

P. Erickson

5/25/98

Continuous Ink Refill System For Disposable Ink Jet Cartridges Having A Predetermined Ink Capacity.

P. Erickson

5/25/98

Invented 5/13/97 as U.S. Patent No. 5,629,727. Filed Request for Certificate of Correction 6/7/97 re: typo in inventor's name. 6/28/98-Revid Br. from P&K stating USPTO recorded name change to ColorSpan.

Invented 5/13/97 as U.S. Patent No. 5,629,727. Filed Request for Certificate of Correction 6/7/97 re: typo in inventor's name. 6/28/98-Revid Br. from P&K stating USPTO recorded name change to ColorSpan.

LM Docket #	External Docket #	Project	Related Projects	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventors	Notes
BIDSII:01:BE:01	1056.28-BE-01	BIDSII		Filed	09400,563	8/17/94		None pending.		Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Amendments to specification and claims, correction to sheet I and patent, request for early grant and publication 11/2/94.
BIDSII:01:DE:01	1056.28-DE-01	BIDSII		Issued	P44 25 693 0	7/20/94	5/12/99	12/14/99- patent renewed until 7/20/00. Annual annulies are paid annually by 7/31. Expires 7/20/04. Pay 5th annuliy fee. See notes.	7/20/00	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	11/23/98-paid 8th annuliy fee. 8/10/99-Rcd Certif. of Letters Patent. Amendment to specification and claims 11/2/94 with request for utility model patent Published 4/27/99 with search report; Pub. No. DE 44 25 893 A1. Office action response due 5/12
BIDSII:01:DE:02	1056.28-DE-02	BIDSII		Filed	684 18 247.7	7/20/94		5/11/97- recd confirmation that 4th annuliy fee has been paid and patent renewed until 7/20/00.	7/20/97	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Reqs lation granted 3-18-95.
BIDSII:01:EP:01	1056.28-EP-01	BIDSII		Filed		3/8/94		None pending.		Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	

PATENT

Friday, June 04, 2000

LH Doc#	External Doc#	Project	Product	Status	Serial #	Filing Date	Inventor	Active Date	Active Desc	Expirs Date	Title	Inventor	Notes
BIDSII:01:FR:01	1055.28-FR-01	BIDSII		Issued	8406304	7/27/94	P. Erickson	None pending		7/27/14	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	SI/93-Semi PAK approval to pay 5th annuity fee. Amended specification and claims 1/22/94. Annuity paid 7/1/93. Patent Granted
BIDSII:01:GB:01	1055.28-GB-01	BIDSII		Issued	8410598.8	9/18/94	P. Erickson	Renewal fees due on 9/18/98 and annually thereafter			Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	SI/93-Semi PAK approval to pay 5th annuity fee. Filing confirmation 10/18/94. Search report 12/12/94. Exam requested 7/12/95. Published 4/23/95. Pub. No. 2,382,693. C.A. on 7/12/95.
BIDSII:01:L:01	1055.28-L-01	BIDSII		Abandoned	111331	10/18/94	P. Erickson	Pay annuity fee. See notes.		10/19/97	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Sent PAK memo on 7/10/93 to abandon case. File sent to archive box 90 on 5/7/97.
BIDSII:01:JP:01	1055.28-JP-01	BIDSII		Filed	20705-479	8/31/94	P. Erickson	None pending.			Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Last open 5/6/95. Pub. No. 117230/1895. Delay examination until actual infringement occurs N.Y. 9/31/01.
BIDSII:01:MX:01	1055.28-MX-01	BIDSII		Filed	84 8084	10/19/94	P. Erickson	None pending.			Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Office action due 10/19/95

PATENT

Friday, June 29, 2000

LJ Desk #	External Doc #	Project	Revised Products	State	Serial #	Filing Date	Leave Date	Action Item	Action Date	Title	Inventors	Notes	Notes
BIDSII:NL-01	1058.28-NL-01	BIDSII		Filed	94 00598	7/1/794		Pay annuity fee. Requested to continue procedure.	6/17/98 3/31/98	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Filing confirmation 7/12/94. Search report 11/28/94. Pay annuity fee before 6/17/98 \$313.85.	Notes 1
BIDSII:SFCI	1058.28-ZA-01	BIDSII		Issued	94B216	10/19/94				Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Sent memo to P&K to abandon case on 7/10/95. Foreign assoc. sent issued patent on 11/2/95, we were charged no additional fees. File sent to archives Box 009 on 3/27/96.	Notes 1
BIDSII:US-01	1058.28-US-01	BIDSII - Active Ink Supply (US)		Issued	08231,275	4/22/94	4/22/94	11/4/98 - 1st maintenance fee due 5/22/98. Large entity disbursement 1/1/97. Small entity is about half. Need instruction by 4/22/98.	5/22/98	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Issued 11/22/94 as U.S. Patent No. 5,367,328. Filed in P&K 5/27/96 stating the USPO exceeded the change of name to ColorSpan Corp. in this case.	Notes 1

PATENT

Friday, June 09, 2003

Patent No.	App No.	App Title	Inventor	App Date	Action Item	Action Date	Title	Notes 1	Notes 2	
BIDS1:01:WD-01	1058.26-WD-01	BIDS1		3/8/94	None pending.		Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Search report 10/28/94. Application published 4/27/95 with amended claims and search report. Filed Chptr II Demand and request for exam. on 3/24/96. Awaiting Preliminary exam 8/20/96; final exam 2/20/96. Next Phase: NLT 4/20/96.	Application deemed to be withdrawn by EPO 8/24/96. File sent to Archives 5/7/97.
BIDS1:02:US:02	1058.26-US-02	BIDS1 - Continuation		4/12/97	Rec'd. ltr. from PLK 9/11/97 stating they had withdrawn to Renva's Unintentional Abandonment App w/US Patent & TM Office	5/21/98	Automatic Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson	Filed corrected Official Filing Receipt 4/17/98. 8/29/98-Rec'd ltr. from PLK stating the USPTO has recorded the name change to ColorSpan. 4/10/99-Rec'd ltr. from PLK enc. Office Action needing response by 6/13/99. Forward copy of Advisory Action for US	

Friday, June 09, 2000

PATENT

REF: 015056 FRAME: 0748

LM Doc#	Examined Doc#	Project	Refined Products	Series	Serial #	Filing Date	Items Date	Action Items	Author Date	Title	Inventors	Notes 1	Notes 2
BIDSUFT-01-US	1058-28-US-01	BIDS UR	All Color Engines & All Inks	Filed	08994,684	9/18/96	4/4/98-Rec'd notice of charge of examiner to Judy Nguyen & new GAU: 2853.	None pending.	10/20/98	Low Cost Disposable Ink Refilling Apparatus and Method of Using Same	J. Lewis, H. Holec	Declaration/POA Serial Entry Status, Assignment and patent filed 08/19/99	Filed Amendment 4/15/98.
BIDSTrak:01:SEP:011058.27-WO-01		BIDS Track	All Color Engines & All Inks	Abandoned		10/20/94	None pending.			Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schoeder		
BIDSTrak:01:G8:011058.27-GB-01		BIDS Track	All Color Engines & All Inks	Filed	94211992	10/20/94	12/14/98-patent renewed until 10/20/00. Issued, accepted on 7/18/98 and published on 8/21/98 as 2,283,459. From P&K stating 5th annuity fee due.		10/20/98	Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schoeder	12/2/98-6th annuity fee paid. Requested supported exam and allowance on submission of application. Amended spec and claims 10/27/94. Published 5/10/95; Pub. No. 2,283,459. Amendment sent 1/4/96. Issued 10/20/94. 7/10/98-Pat. Mod. Returned fr. T	
BIDSTrak:01:IL:01 1058.27-IL-01		BIDS Track	All Color Engines & All Inks	Abandoned	111332	10/18/94	None pending.			Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schoeder		Sent P&K memo on 7/10/98 to abandon case. Fts sent to archive on 5/7/97.

PATENT

REFL: 015056 FRAME: 0749

Friday, June 09, 2006

Lot Docket #	Examiner Docket #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventor	Notes	Notes
BIDSTrac 01:JAS01056.27-MX-01		BIDS Track	All Color Engines & All Inks	Filed	048083	10/19/94				Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schooler	Amended claims 10/21/94.	
BIDSTrac 01:SF011056.27-ZA-01		BIDS Track	All Color Engines & All Inks	Abandoned	048217	10/19/94		Pay annually fee. See notes	10/19/97	Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schooler	Serial memo to PAK to abandon case on 7/10/98. File sent to archives on 5/7/97.	
BIDSTrac 01:JUS011056.27-US-01		BIDS Track	All Color Engines & All Inks	Issued	06225, 122, 030/94	11/21/93		None pending		Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schooler	8/10/99-Rec'd Nr. from PAK now rec'd, confirmation that 4th yr. main. fee has been pd. Request to Expedite and IDS sent 10/10/94. Notices of Allowance 6/23/93. Issue fee paid 7/13/95. Rec'd patent certificate, 5,459,201, date 11/21/95. Ref'd II	

PATENT

REEL: 015056 FRAME: 0750

External Doc #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventors	Notes 1	Notes 2
BIDS Track:01:W0:01055.27-WO-01	BIDS Track	AT Color Engines & All Ink	Abandoned	PCT/US84/12281	10/20/84		None pending.		Ink Supply Line Support System For A Continuous Ink Refill System For Disposable Ink Jet Cartridges.	P. Erickson, T. Schoeder	Search report mailed 10/26/94. Application published 4/27/95 with search report but without amended claims. Filed Chptr II Demand and request for examination 5/20/95. Prelim. exam due 9/20/95; final exam 2/20/96. Mail phase; M.T. 4/20/96.	Application deemed to be withdrawn by EPO 8/29/96. File sent to Archives 5/7/97.
BigDoc01:US:01			Filed	08494,669	2/24/95		Response to Office Action.	3/4/99	Method and Apparatus For Asymmetrical Frequency Modulated Dot Grouping For Binary Image Formulation.	Y-G. Wen, M. Gilbert, L. Lutta	No FF per IP Team 2/12/96. 1st office action mailed from PTO on 1/3/96.	
Blue Noise Mask												
ACS-10-CLC	ACS-10-CLC	ACS, ACS 2, Colorbank Pro, CLC	Filed	08525,930	1/4/98		915897- Paul McD. signed Notice of Abandonment PL		Color Printer Interface	R. Leuninger, C. Labakken	Amendment after final filed 2/1/98. Filed FWC on 4/1/98.	Return card mailed from USPTO 1/14/97. Filing receipt recd.

PATENT

Friday, June 03, 2000

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LM Docket #	Examined Docket #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Date	Title	Inventors	Notes 1	Notes 2
ClearCopy:01:US:01055.14-US-01		Gamma Setting For High Speed Photo-copiers	Unity	Abandoned	08/237,549	2/5/94			Image Correction System For Adapting Laser Printer Output To Be Reproduced On A Copier.	L. Hewson	TO ABANDON BY INACTION. Case abandoned on 10/10/94. Sent to archives in Box 50 on 5/7/97.	
CMPlus:US:01		Application #09/250,925	ColorMark Color Mgmt Software & System	Filed		3/2/99			Method for Automatically Forming Ink and Media-Dependent Color Transforms for Diverse Colored Inks and Ink Types, Validating Color Gamut, and Applying Said Inks	M. Westham, Y. Dretzh	Recd. filing receipt from USPTO dated 3/23/99	
D2T2Mech:01:US:0308.12-0014		Press/Mat e D2T2 Mechanic		Filed	08/055,099 B/094	5/14/95			High Resolution Conformation Denote/Direct Thermal Printer.	B. Leonard, E. Ware, H. Higdon, R. Ogde, D. Vitland	Examiner restricted to 9 inventions. Submitted claims 11-23 and amended dependent claims 522/95. Notice of Allowance of claims 2-12, 14, 28-33, and 52-56 mailed from PTO on 12/4/95. Issue Fee paid.	

~~Not to be paid~~

5,516,219

PATENT

REF: 015956 FRAME: 0752

Friday, June 09, 2000

External Doc#	Internal Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes	Notes 2
D212Mech:01:WO:0309.13-0017		PressMat e DZT2 Mechanical	PressMat PressMat	Filed	US95/0951 6	7/28/95		None pending.		High Resolution Combination Donor/Direct Thermal Printer.	B. Leonard, E. Ware, M. Higgins, R. Ogil, P. Erickson, D. Valland	File Chapter II Demand for 3 claim groups Grp1(1-6), Grp2(claim 14), and Grp3 (claim 15). Published 2/15/98, No. 9804142.	1/16/97 fr from associate to resign & reassign power of atty. Application is proceeding in Japan. Sent Proves of Attorney to Kinney 2/3/97.
D212Mech:01:WO:0309.13-0017		PressMat e DZT2 Mechanical	PressMat PressMat	Filed	US95/0951 6	7/28/95		None pending.		High Resolution Combination Donor/Direct Thermal Printer.	B. Leonard, E. Ware, M. Higgins, R. Ogil, P. Erickson, D. Valland	Grp2 (original claim 14). Published 2/15/98, No. 9804142.	
D212Mech:01:WO:0309.13-0017		PressMat e DZT2 Mechanical	PressMat PressMat	Filed	US95/0951 6	7/28/95		Recd. fr. Kinney 7/10/97 app. assigned Serial No. 8-508621 and International filing date of 7/28/95. Enclosed Japanese PO filing receipt. Request for exam can be filed before 7/28/02.	7/28/02	High Resolution Combination Donor/Direct Thermal Printer.	B. Leonard, E. Ware, M. Higgins, R. Ogil, P. Erickson, D. Valland	Group 3 (original claim 15). Published 2/15/98, No. 9804142. 8/2/98-Rec'd fr. Kinney stating we have until 7/28/2002 to request exam. Exam work processed until a request is filed & exam fee pd.	

PATENT

LM Dossier #	External Doc #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes 1	Notes 2
D722Mech:02:US:0.309.12-0055 5,572,020		Presentat PressMala a DZT2 Mechanic at		Issued	09467,940	6/8/95	6/30/97	Issue fee due 5/5/97.	4/16/97	High Resolution Combination Donor/Direct Thermal Printer.	B. Leonard, E. Wang, M. Higgins, R. Cogg, P. Erickson, D. Veland	Rec'd the Patent MGR.	2/7/97 read issue fee transmittal. 5/5/97 mailed in \$649.00 issue fee, transmittal & drawings.
DIFB-01:US:01 5,572,932	L309.12-0055	Universal ACS, Frams ACS2, Buffer For Color Data		Issued	08319,481	10/7/94	11/05/96	None pending.		Universal Frame Buffer For A Rendering Device.	R. Lurnmeyer, C. Laurel	Issued 11/6/96. Patent # 5,572,932. Rec'd Certificate of Correction from KAL. (#10/97).	
DigiSig:US:01	N/A	Next Generatio n Profiler		Abandoned	08705,827	8/30/96				Method and Apparatus for Secure Decentralized Zero- Knowledge Proof of Group Membership	B. Lundgren, M. Wichham	2/10/98-Rec'd Notice of Abandon. PostPOA, Small Entity, Assignments and patent filed 8/20/86. Reclaim card rec'd from USPTO 8/31/97.	
E-3IDS UNITY Patent				Abandoned									Profiling Encryption patent application
Express 10X301:US:01	L308.12-0823	DisplayM Express 10X Printer	DM Express	Abandoned	08425,120	4/2/95	4/21/98	Rec'd. Notice of Abandoning Patent & TM office. 5/23/97.	4/21/98	High Speed Ink Jet Printer With High Quality Output.	S. Ljike, P. Erickson, A. Himes, J. Pegim, P. Novak, B. Klave, R. Skouffe, L. Ludis, D. Bennefeld, J. Marsbury, P. Lauds	Application with 50- 50 chance of success without appeal. Assignment recorded on 8/28/95.	

PATENT

LM Docket #
Harware Article
0-01
T-519 P.20/40 Job-129

LM Docket #
T-519 P.19/40 Job-129

LM Docket #	External Docket #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes 1	Notes 2
HeadCall:01:US:01	5,604,183	Head Control System	Python 2 Head Control System	Filed	08/308,973	10/1/84	2/27/88	close par Paul McD. Re: Abandonment from USPTO.	9/3/88	Ink Jet Print Head Fire Pulse Adjustment	J. Pregel, J. Goergen, J. Nordroy, S. Loba, P. Erickson, P. Letas	Includes description and claims for Synthesized Clock Pulsing. Amendment and 1- to USPTO 9/30/86.	Archived. 1/1887 need re:action of claims 10 & 11. Response faxed to USPTO 2/13/87.
HeadCall:01:US:01	5,604,183	Thermal Head Control	Presatmet Presatmet Thermal Head Control	Filed	08/259,281	8/21/85	1st Office action response due; Amendment on 7/2/88 and amendment on 3/18/89+H71 +H74	None pending.	2/7/88	Heating Control for Thermal Printers	D. Benzveid, J. Elliot, D. Valland, M. Gilbert	Includes description and claims to Dynamic Resonance Compensation. new stopped. IDS filed on 1/30/86. 1st office action mailed from PTO on 4/20/88.	Issue notification: issue date 3/4/87. Re:action notification from 2/7/87. Faxed information Disclosure Sent to USPTO 2/12/87.

HeadLPV:01:US:01 1056.07-JUS-01
Abandoned 07/084,872 6/4/82

Fire Pulse:01:US:01 308.12-0018
Python 2 DM Express

Goop Ink:01:US:01 308.12-0015
Presatmet Presatmet Thermal Head Control

Head Control:01:US:01
5,604,183
5,604,183

HeadCall:01:US:01
Patent #5,625,31

3/4/87

LM Docket #
Harware Article
0-01
T-519 P.20/40 Job-129

LM Docket #
T-519 P.19/40 Job-129

REF ID: A66056 FRAME: 0755
9570

Friday, June 04, 2004

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External Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Item	Action Date	Title	Inventor	Notes	Notes 2
Invent US:01	L308.12-0027		Filed	08978.807	11/28/97		Mailed Request for Filing Patent App., this is a request for a Continuation in-Part app. of prior app. serial #08779,815 filed 9/10/95		Ink Jet Having Variable Surface Tension for Use in an InkJet Printer	H. Elwadi		
InkTex:US:01	L308.11-0015						5/14/98-Rec'd fr. From K&L stating the file has been open for 7 yr. with no activity. They plan to close it unless we instruct otherwise.		Ink Formulation for Ink Jet Printing of Textiles and Method of Ink Jet Printing Textiles Using the Ink Formulation		InkTex:US:01	
J-Mech:US:01	Jaguar	Gibco PrintMaker FA	Filed	09042,708	3/17/98		3/18/98- Filed a Continuation in-Part Patent App. Declaration.	6/14/00	Improved Carriage Assembly for a Drum-Based Wide Format Print Engine	B. Leonard, D. Jankovitch, K. Anderson, J. Gilbert	12/13/99-Filed Amendment to OA dated 8/12/99. Petition for 1 Moth Extension	

LM Doc#	External Doc#	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Issue	Action Date	Title	Inventors	Notes	Notes 2
J-Svcstr:US:01		Jaguar	Glide PrintMaker FA	Filed	09048,760	3/17/98		3/18/98- Filed a Continuation in-Part Patent App. Declaration.	8/15/00	Improved Service Station Assembly for a Drum-Based Wide Format Print Engine	B. Leonard, et al	12/13/99-Filed Amendment to OA dated 8/12/99; Patent for 1 Mil Extension	
Multi-Density Ink 01:US:01 5,833,743			Dye-based KML Density Ink Sets	Filed	08/711,815	8/10/98	11/10/98	9/10/97- Infr. from K&L confirming they are not to file any infringement application(s)). They have not yet sued. Office Action from U.S.P.O.		Method of Selecting an Ink Set of an Ink Jet Printer	Handy, A. Erickson, T.	8/18/98-Grand N.C. of Allowance & issue Fee for filing with USPTO to K&L. Issue Fee must be paid by 8/7/98.	
Multi-Head 01:US:01	L309,12-0018	Python 2 Head Control System	DM Express	Filed	08/237,073	10/1/94		Response to Notice of Applicant Infr. 1/18/97 responsive to Notice to Applicant mailed 10/20/97. Revised Amend. filed 5/27/97 (but now completely addresses Sec. 112, 2nd para. rejection.)		Ink Jet Printer With Multiple Print Heads.	L. Lutz, S. Lutz, J. Pagel, P. Erickson, T. Schroeder, R. Schaefer	Includes description and claims for Auto- Calibration and Blotter Assembly.	1/13/97 receipt card recd.

Friday, June 04, 2000

LA# Doc#	External Doc#	Project	Related Products	Status	Initial	Filing Date	Issue Date	Action Desc	Action Date	Title	Inventor	Notes 1	Notes 2
Multipass-01, US011036, 23-US-01 5,780,150		Multipass Python 2 Speedup Made	Python 2	Issued	09/19/96	2/17/94	8/4/96	11/26/97- Resubmitted amendment file 7/14/97 to remedy shortcomings of amend. noted by examiner in NOICE to Applicant.	5/26/98	Method and Apparatus For Controlling An Ink Jet Printer in A Multipass Printing Mode	S. Lidka, J. Payer, P. Erickson	Monitor for continued values. PF protection declined. Ist Office action mailed 2/28/96. Amendment and 2-Mo. Term Ext. mailed 7/28/96. 7/2/98-Road W. From P&K enc. Issue Notification. Patent will issue as Patent # 5,780,150. Issue Date: 8/4/98. 9/2	1/13/97 receipt card recd.
Munich Media-01:US:01	L306.12-0003	(Aur) Magic Frame Buffer	DM Express, DM Pro	Abandoned	02/25, 435	5/24/94	6/7/96	Advisory action mailed.		Image Rescaling Using Error Diffusion Drawing With A Pseudo-Remion Threshold	J. Werthelgen	5/7/97-Archived. Response to Final OA mailed 3/9/96.	
N-SOLINK:US:01		Neptune		Filed	08/00, 489	4/30/99				Solvent-Based Ink Composition for Thermal Ink Jet Printing	H. Elwahi, J. Rattnerath		
N-TJINK:US:01		Neptune		Filed	09/03, 767	4/30/99				Dual Phase Ink Composition for Thermal Ink Jet Printing on Vinyl and Fibrous Printing Substrates	H. Elwahi, J. Rattnerath	8/10/99-Rec'd filing recd.	
PATENT:US:01		Neptune		No Action						Balanced Pallet/Media Suction and Vapor Recovery Fluid Handling Systems for a Large Format Print Engine			

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LM Doc#	External Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Name	Action Date	Title	Inventors	Notes
	Neptune Ink. (US) 309.12.0030	Neptune		Filed	08303, 200	4/30/99				An Ink Composition and a Method of Making the Ink Composition	H. Ehrlich	8/24/99-Rec'd Being rec'd from PTO. App. Filed 4/30/99 as App. #08303, 200. 7/13/99-Returned docs to Phleg Pok at K&L. 6/23/99-Rec'd Wt. From K&L re: Missing Parts Notice. 6/23/99-Rec'd filing info. From K&L.
OH Conversion: 01:EP-D	L309.12-0015	Python 2 On-Head Voltage Converter	DM Express	Abandoned	WO 9532885	5/28/95		None pending.		Ink On Demand Type Ink Jet Head Assembly Energization System. Klava	L. Lukla, J. Nowelby, P. Erickson, B. Klava	2/21/97 rec'd notice from European Patent Office that application is deemed to be withdrawn. File archived 5/9/97.
OH Conversion: 01:US:0	L309.12-0002	Python 2 On-Head Voltage Converter	DM Express	Abandoned	08250, 207	5/27/94		Final Office Action	5/26/99	Ink On Demand Type Ink Jet Head Assembly Energization System. Klava	L. Lukla, J. Nowelby, P. Erickson, B. Klava	Close per Paul McD-12/14/95/Final office action mailed from PTO on 9/12/95. Amendment and Response mailed to PTO on 12/12/95. Final office action mailed from PTO on 3/28/99. Response to Advisory Action - 1 Mo Time Ext. 8/26/95.

PATENT

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LM Doc#	External Doc#	Project	Related Products	Status	Serial #	Filing Date	Inventor	Title	Notes	
PixalPack:01:US:01308.12-0022 5,710,877		Encoded L's's Dastopolo ColorMark n Packets Pro	ACS, AC52	Issued	081414,577	3/31/95	1/20/98	Issue Fee Transmitted mailed 10/2/97.	Pixel Description Packets For A Rendering Device.	R. Laumeyer 7/17/97. Recd From KAL Notice of Allowance and Notice of Allowability. We are handling this for directly.
R-Camera:US:01		Ratier	DMXX, Series XII, FabrJet, Globe PrintMasker FA	Filed	091622,297	9/23/97	5/28/99	Method and Apparatus for Registration and Color Fidelity Control in a Mainframe Digital Color Print Engine	J. Worthington	
R-TYPE:US:01		Ratier	AcuType Print Mode	Abandoned	09509,559	9/28/97		Improved Method of ink Jet Bl- Directional Printing	L. Lukic 7/19/99-Filed amendment to O.A. mailed 3/19/99.	
SMT-CR:US:01				Filed				Automated Scalable Mold Design Methods		
Stochastic:01:US:01308.12-0001		Stochastic Screening	Unity, Presatral	Expired	08229,280	3/30/94	3/12/98	Coalescing a Grayscale Image and Rendering the Coalescent Grayscale Image as a Binary Image	S. Litke, R. Esch Patent to pay maintenance fee awaiting after unintentional non- payment.	

*Method
Apparatus
for*

PATENT

Lab Doc#	External Doc#	Project	Related Products	Seq#	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes
ThermaRes101:AU309.13-0024-01	ThermaRes101:AU309.13-0024-01	ThermaR PressMats as 1	ThermaR PressMats	Filed	89928784	18/11/84		Rec'd. ltr. from K&L on 10/8/87 stating they are closing the file. Enc. a copy of response to Examiner's 1st Office Report which was filed prior to receipt of closing instructions.		Method and Apparatus for Controlling a Thermal Print Head	L. Lukis, D. Valland, J. Gilbert	First Office Action rec'd - deadline for application for acceptance 1/30/88.
ThermaRes101:BE309.13-0003-01	ThermaRes101:BE309.13-0003-01	ThermaR PressMats as 1	ThermaR PressMats	Issued	08400,894	11/3/84				Method and Apparatus for Controlling a Thermal Print Head	L. Lukis, D. Valland, J. Gilbert	
ThermaRes101:PH309.13-0011-01	ThermaRes101:PH309.13-0011-01	ThermaR PressMats Abandoned Pl. as 1	ThermaR PressMats Abandoned Pl.		8432873			None pending.		Method For Controlling A Thermal Printer To Increase Resolution	L. Lukis, D. Valland, M. Gilbert	Request Examination by 4/28/84. Allow case to be abandoned per PHM on 3/1/88.
ThermaRes201:AU309.13-0008-01	ThermaRes201:AU309.13-0008-01	ThermaR PressMats as 2	ThermaR PressMats	Filed	328,957.00	10/3/84		None pending.		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland	
ThermaRes201:BE309.13-0003-01	ThermaRes201:BE309.13-0003-01	ThermaR PressMats as 2	ThermaR PressMats	Filed	8400994	3/1/84		None pending.		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland	Date of grant issued 6/4/86
ThermaRes101:US309.12-0013-01	ThermaRes101:US309.12-0013-01	ThermaR PressMats as 1	ThermaR PressMats	Issued	08148,508	11/1/80		None pending.		Method For Controlling A Thermal Printer To Increase Resolution	L. Lukis, D. Valland	Subject matter and claims including with TRRIS2 Korean litiga. issue fee paid 10/23/96.

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External Deck #	Project	Refect Prefers	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes	Notes 2
ThermalRes2:01:LL309.13-0006 01	ThermalR es2	PressMats	Filed	111387	10/23/94		None pending		A Method and Apparatus For Controlling A Thermal Print Head	L. Lukis, D. Valland	1/30/97 Rf from K & L to associate re: finalizing of April for completion of evaluation of technology.	
ThermalRes2:01:PTB0 :01	ThermalR es2	PressMats	To be filed out of PCT	TBD			Coordinate with K&L for translation and submission of application in Japan.		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland		
ThermalRes2:01:ML309.13-0404 X:01	ThermalR es2	PressMats	Filed	848485	1/11/94		None pending		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland		
ThermalRes2:01:ML309.13-0411 Y:01	ThermalR es2	PressMats	Filed	8492873	10/28/94		Examination request lbd.	1/3/96	A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland		TO ABANDON BY INACTION.
ThermalRes2:01:PM309.13-0012 :01	ThermalR es2	PressMats	Filed	49288	2/11/94		None pending.		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland		TO ABANDON BY INACTION.
ThermalRes2:01:SE309.13-0007 :01	ThermalR es2	PressMats	Filed	947455	1/11/94		None pending.		A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukis, D. Valland		TO ABANDON BY INACTION.

PATENT

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P 32/40 Job-129

T-519

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REFL: 015055 FRAME: 067

Lab Number	External Doc#	Project	Material Produced	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes 1	Notes 2
ThermalRes2:01:US:399.12-0011 01.5691.514		ThermalR es2	ThermalR Pres#Mile es2	Issued	08298,935,813,154	8/28/97	8/28/97	Restriction Requirement in Office Action due 11/2/99	1/5/98	A Method and Apparatus For Controlling A Thermal Print Head	L. Lukla, J.A. Gilbert, D. Vailand	Includes description and claims for Anti-Clogging and ABC Hardware Accelerator, now dropped.	Issue fee transmitted rec'd 2/10/97, 3/13/97 mailed in issue fee of \$845.00, 1 amendment & drawings.
ThermalRes2:01:US:399.13-0001 0:01		ThermalR es2	ThermalR Pres#Mile es2	Filed	PGTUS94 1041894 (11887)	10/18/94		Choose countries for NATT Stage.	1/4/98	A Method and Apparatus For Controlling A Thermal Print Head.	L. Lukla, D. Vailand	Includes technical description and claims covering THRST. Nat direct filings delay to 8/1/98 with Capt II.	
TurboRes1:01:US:01056.05-US-01		TurboRes ONLY	TurboRes ONLY	Abandoned	04938,018,513,93					Method and Apparatus for Performing Clustered-Dot Dithering for Laser Printers	J. Worthington	Sent memo to PAK to abandon case on 7/10/88. File sent to archive Box 50 on 5/7/88.	
TurboRes1:01:US:01056.01-US-01 Issued 8/20/91 US Patent No. 5,041,845		TurboRes ONLY	TurboRes ONLY	Issued	07434,318,111,038,874 8/20/91	11/13/88	8/24/88- Instructed PAK to pay the annuity.		2/20/99	Non-Gray Scale Anti-Aliasing Method for Laser Printers	J. M. Gilbert, L. J. Lukla, L. R. Seidel	Issued August 20, 1991. Rec'd lit. from PAK 5/27/98 stating the USPO recorded a change of name to ColorSpin Corp. in this case.	
TurboRes1:01:US:01056.01-US-02 Issued 8/20/91 US Patent No. 5,122,884		TurboRes ONLY	TurboRes ONLY	Issued	07812,688,117,149,0,616,92	1/14/90	8/24/89- Instructed PAK to pay the annuity.		2/20/99	Line Restoration Technique for Non-GrayScale Anti-Aliasing Method for Laser Printers	J. M. Gilbert, L. J. Lukla, L. R. Seidel	Issued August 20, 1991. Rec'd lit. from PAK 5/27/98 stating the USPO recorded a change of name to ColorSpin Corp. in this case.	

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1-519 P.33/40 Job-129

21556893439

89 070 FRAME: 015056 REEL: 015056 PATENT

LM Doc#	External Doc#	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action James	Action Date	Title	Inventors	Notes
TurboRes 1:01:WD:1056.01-WD-AU	1056.01-WD-AU	TurboRes Unity 1		Abandoned		8/11/90		Recd. ltr. from P&K 7/9/97 stating the 6th annuity fees are due on or before 11/8/97. Amount of \$214.92. 7/27/98- Abandon per Paul McD.	8/11/98	Non-Gray Scale Anti-Aliasing Method for Laser Printers		Notes 2
TurboRes 1:01:WD:1056.01-WC-BR	1056.01-WC-BR	TurboRes Unity 1		Abandoned				Recd. ltr. from P&K dated 3/31/98 stating they received confirmation that 8th annuity fee was paid and patent renewed in 11/8/98. 7/27/98- Abandon per Paul McD.	11/8/97	Non-Gray Scale Anti-Aliasing Method for Laser Printers		

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REFL: 015056 FRAME: 0769

Extm'l Doc#	Project	Entered Product	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes	Notes 2
TurboRes1:01:WO:1056.01-WO-EP EP European Patent No. 90917053.2	TurboRes 1	TurboRes Unity	Abandoned	90917053. 2			Rec'd Hr. from P & K 2/4/93 saying they rec'd confirmation that the 8th annuity fee appl. renewed until 11/8/98. 7/27/98- Abandon per Paul MSO.	9/26/98	Non-Gray Scale Anti- Aliasing Method for Laser Printers		Amendment/Respo nsa Rec'd In EPO 4/5/98.	
TurboRes1:01:WO:1056.01-WO-EP P Patent No. 2888404	TurboRes 1	TurboRes Unity	Issued		3/12/99	3/12/99	Annuity due.	3/12/99	Non-Gray Scale Anti- Aliasing Method for Laser Printers		7/12/99 Rec'd Hr. From P&K enclosing text of Jap. Patent as published 6/2/99 re opposition.	
TurboRes1:01:WO:1056.01-WO-EP MS	TurboRes 1	TurboRes Unity	Pending	701109/18 92			None Pending.		Non-Gray Scale Anti- Aliasing Method for Laser Printers		Request for Exam and supporting papers rec'd 12/22/95.	
TurboRes1:01:WO:1056.01-WO-NO Patent No. 921662	TurboRes 1	TurboRes Unity	Issued	921662	3/19/97	3/19/97	Rec'd. Hr. from P&K 12/16/97 saying they rec'd. confirmation that the 8th annuity has been paid and application renewed until 1/8/98.	11/8/98 - annuity renewed due	Non-Gray Scale Anti- Aliasing Method for Laser Printers		Patent Issued 3/19/97. Patent #: 180280.	

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P.35/40 Job-129

T-519

2155883439

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REFL: 015056 FRAME: 070

LM Doc#	External Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Date	Title	Inventors	Notes
TurboRes2.01:US:0309.12-0912		TurboRes	Unity	Abandoned	00810.078	4/3/95		none pending	Method and Apparatus For Recording Digital Images On A Binary Marking Engine.	L. Lukis, M. Gilbert, J. Worthington, L. Shields	7/12/95-Rec'd Notice of Abandon. Rec'd Notification of change due to PTO move. examiner's Request Gordon, new BAI: 2853, pd: 701-308-0022. 5/4/98-Close & archive per Paul McD.
TurboRes2.01:WQ:1308.18-0014		TurboRes	Unity	Abandoned	PCT/US95 526/85 706747				Method and Apparatus For Recording Digital Images On A Binary Marking Engine.	L. Lukis, M. Gilbert, J. Worthington, L. Shields	5/17 Pub. No. WO 95/33330, Chpt II Demand mailed on 7/27/95. Application deemed to be withdrawn by EPO 3/1/97. Sent to archive 5/7/97. box 50.
TurboRes.UT:01:UT:056.03-US-01		TurboRes	Unity	Issued	07591.537	10/2/90	5/18/93	Annually due. 11/10/97	Daily Cycle Technique for a Non-Gray Scale Anti-Aliasing Method for Laser Printers	J. M. Gilbert, L. J. Lukis, L. R. Shields	Issued on May 18, 1993. 692/99-Rec'd N. from PAK stating the USPTO recorded change of name to ColorSprint.
5:01 US Patent No. 5,212,559									Process for Applying Ink Jets to a Substrate and Curing the Applied Ink via Application of Light and/or Heat Energy		
5/18/95											
UT:01:US:01	L308.11-0014		UV Ink								

PATENT

Friday, June 04, 2000

P. 36/40 Job-129

External Bracket #	Project	Related Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes 1	Notes 2
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V-DRM4US:01
5,797,186

Viper Design/Used
or
08/709,804 8/10/98 8/25/98

Method for
Manufacturability of
a Low Coat Printing
Drum

John Bode

Sept. '98-Rac'd
Patent

V-FLUID:US:01

Viper Allowed &
Issue Fee
Pd
09/939,561 9/29/97

Overspray Adaption
Method and
Apparatus for an Ink
Jet Print Engine

Bode

11/12/99-Filed
Amend. After
Final. 8/21/99.
Filed for a 3 mth.
Extension to
respond to OA
dated 2/19/99.

Issue fee paid.

V-MECH:US:01
5,871,202

Viper Design/Used
or, Glee
Printer
FA
08/771,788 8/10/96

Cooperating
Mechanical
Subassemblies for a
Drum-Based Wide
Format Digital Color
Print Engine

N. Johnson,
B. Leonard,
R. Laumesyer

5/2/98-Sent in
Issue Fee
Transmittal & fee.
7/17/98-Rac'd
Notice of
Reconsideration of
Assignment of
Document from
USPTO.

V-PASS:US:01
V-Film Design/Used
Pass or
08/769,803 8/10/98

Method & Apparatus
for Compensating
for Faulty Ink
Emitting Elements in
a Drum-based Print
Engine

8/15/98-Rac'd
USPTO office
communication re:
claims.
Pd issue fee.
US PTO can't
find.

V-SWAT:US:01,
J.S. Patent
5,889,324

08/711,882 8/10/96 3/30/99

Carbocation and
Registration Method
for Manufacturing a
Drum-Based
Printing System

N. Johnson,
L. Latta, R.
Laumesyer, J.
Newby

2/18/98-Sent
transmittal form,
fee, Assignment of
App. & recordation
form to USPTO.
8/2/98-Rac'd
Notice of
Reconsideration of
Assignment from
USPTO.

PATENT

Friday, June 09, 2000

Examined Doc#	External Doc#	Project	Referred Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes
VideaNet01:US:01:309.12-004 P&M 1058.34- US-01		VideaNet Network	ACS, ACS2, Utility, PressMail, DM Express	Filed	00270,048	1/7/94	12/24/99	10/4/99- Rec'd O.A., needs response by 12/24/99. Advisory Action - period for response extended 5 mths. Claims rejected 1,2,3. 7,17,18,20	12/24/99	Method and Apparatus For Printing A Document Over A Network.	D. Vailand, J. Pagel, J. Norobny, L. Lubbs	Includes claims for Color-On-Demand and Hard Disk From Buffer. IDS Filed on 1/17/95. Final OA mailed from PTO on 11/22/96. Amendment filed in PTO on 3/23/98. Rec'd IV from P&M 3/27/98-USPO recorded name change to ColorScan Corp. in this case.
VideaNet01:US:02:309.12-016 5,577,172		VideaNet "Protocol" Network Utility, PressMail, DM Express	ACS, ACS2, Utility, PressMail, DM Express	Issue fee pd.	06299,010	8/3/94	11/12/98	View for preliminary issue.		High-Capacity Protocol For Packet- Based Networks.	D. Vailand, J. Pagel	ISS filed on 11/17/95. Supplemental IDS file on 1/3/98 and Examiner has allowed claims 6- 21 and wa amended claim 1 to include limitations of claim 6. Issue fee pd 4/15/98, formal draws also filed.
VideaNet01:WO:01:309.13-0018		VideaNet Network & "Protocol" PressMail, DM Express	ACS, ACS2, Utility, PressMail, DM Express	Abandoned	PCT/US95 630095 /00094	6/30/95	1/1/97	National Stage due	1/1/97	Method and Apparatus For Printing A Document Over A Network.	D. Vailand, J. Pagel	3/24/97 rec'd notice from European Patent Office that application is deemed to be withdrawn. File archived 5/8/97 - box 50.

Friday, June 08, 2000

Case No.	Examined	Project	Behind Products	Status	Serial #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes
X-12HEX:US0	Xerox	Xerox		Abandoned	08251,951,2/17/99					Ink Composition Exhibiting Increased Dot Size for Rapid Printing Upon Large Format Coated Ink Jet Media	H. Ewald	Rec'd filing receipt dated 3/10/99.
X-COOLED:US	Xerox	Xerox	Series XII, FabriJet	Filed	08252,378,2/18/99					Method and Apparatus for Automatically Validating Nozzle Performance in an Ink Jet Print Engine	P. Lucas, J. Raftern, L. Gomer	Rec'd filing receipt dated 3/10/99.
X-DRYER:US:0	Xerox	Xerox	Series XII, FabriJet	Filed	08251,531,2/17/99					Conveyable Media Dryer for a Large Format Ink Jet Print Engine	K. Crystal, R. Bigauetta	Rec'd filing receipt dated 3/10/99.
X-GRIT:US:01	Xerox	Xerox	Series XII, FabriJet	Filed	08251,950,2/17/99				7/3/00	Low Friction Sliding Bearing for an Axial Shaft	K. Crystal, R. Bigauetta	Rec'd filing receipt dated 3/16/99.
X-GROOVE:US:	Xerox	Xerox	Series XI, FabriJet	Filed	08251,951,2/17/99					Patent Having Media Suction and Vapor Recovery Ports	K. Crystal	Rec'd filing receipt dated 3/8/99.
X-PENS:KT:US:	Xerox	Xerox	Series XI, FabriJet	Filed	08252,375,2/18/99				7/6/00	Carriage Assembly for a Large Format Ink Jet Print Engine	K. Crystal, L. Gomer, A. Barclay	Rec'd filing receipt dated 3/11/99.
X-SVCSTN	Xerox	Xerox	Series XII, FabriJet	Filed	08251,532,2/17/99				7/27/00	Utility Service Station for Cleaning and Capping Ink Jet Pens	J. Raftern, L. Gomer, D. Engelhardt	Rec'd filing receipt from USPTO dated 3/12/99.

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1-519 P.39/40 Job-129

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REFL: 015056 FRAME: 0774

LA# Doc#	External Doc#	Project	Related Product	Status	Serial #	Filing Date	Issue Date	Action Limit	Action Date	Title	Inventors	Notes 1	Notes 2
X-TEXT:US:01 (provisional)		Athens	FabulJet	Filed		9/17/89				Wide Format Digital Ink Jet Print Engine Specially Adapted For Printing Upon Diverse Media Including Textiles	S. Lidka, K. Crystal, A. Barclay	Patent filed 9/17/89.	PROVISIONAL MUST CONVERT BY September 17, 2000
zDoc#1 TBD	N/A	SmoothTo Pressable Drive Lever	Dropped			10-31-85		File in US.		TBD	TBD	Foreign Filing barred due to sales.	
zDoc#1 TBD	N/A	Schino Schmo gy	Dropped			TBD		None pending.		TBD	TBD		
zDoc#1 TBD	N/A	Sniper Technolo gy	Dropped			TBD		None pending.		TBD	TBD		
zDoc#1 TBD	N/A	Raptor Technolo gy	Dropped			TBD		None pending.		TBD	TBD		
zDoc#1 TBD	N/A	Bealle Technolo gy	Dropped			TBD		None pending.		TBD	TBD		
zDoc#1 TBD	N/A	Laser Imprinter	Dropped			TBD		None pending.		TBD	TBD		
zDoc#1 TBD	N/A	Big Color Copier	Dropped			TBD		None pending.		TBD	TBD		

PATENT

Friday, June 09, 2000 Page 38 of 39

LM Docket #	External Docket #	Project	Related Products	Status	Start #	Filing Date	Issue Date	Action Items	Action Date	Title	Inventors	Notes 1	Notes 2
zDocket TBD	N/A	Viper Technology	Viper	Dropped		TBD		Landscape searches, Competitive analysis, Order and review patents and documents, Write disclosures.		TBD	TBD		
zDocket TBD	N/A	Supercal Monitoring	PresatMat	Dropped				File in the US, Review FF.		TBD	TBD		
zDocket TBD	N/A	CIP - PresatMat Mechanic	PresatMat	Dropped		11-30-95		File in US.		TBD	TBD		Foreign Filing based due to sales.

RECORDED: 08/16/2004 2155883439

REEL: 009056 FRAME: 0775

PATENT

Patent, Issue 00, 2000 Page 39 of 39